

EXPLANATION

> GEOPHYSICAL SITE. Number is depth to bedrock in meters below mean sea level

Scale	Date
Indicated	March 2005
	- MULHOLLAND NATES, INC.

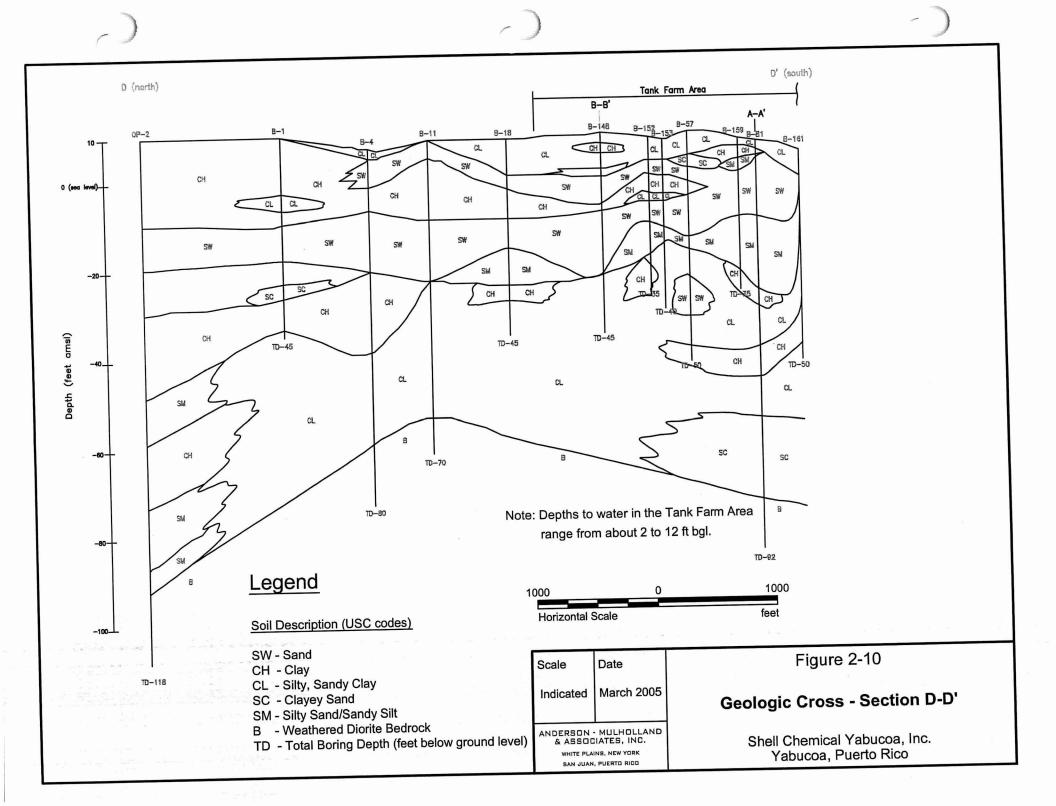
WHITE PLAINS, NEW YORK

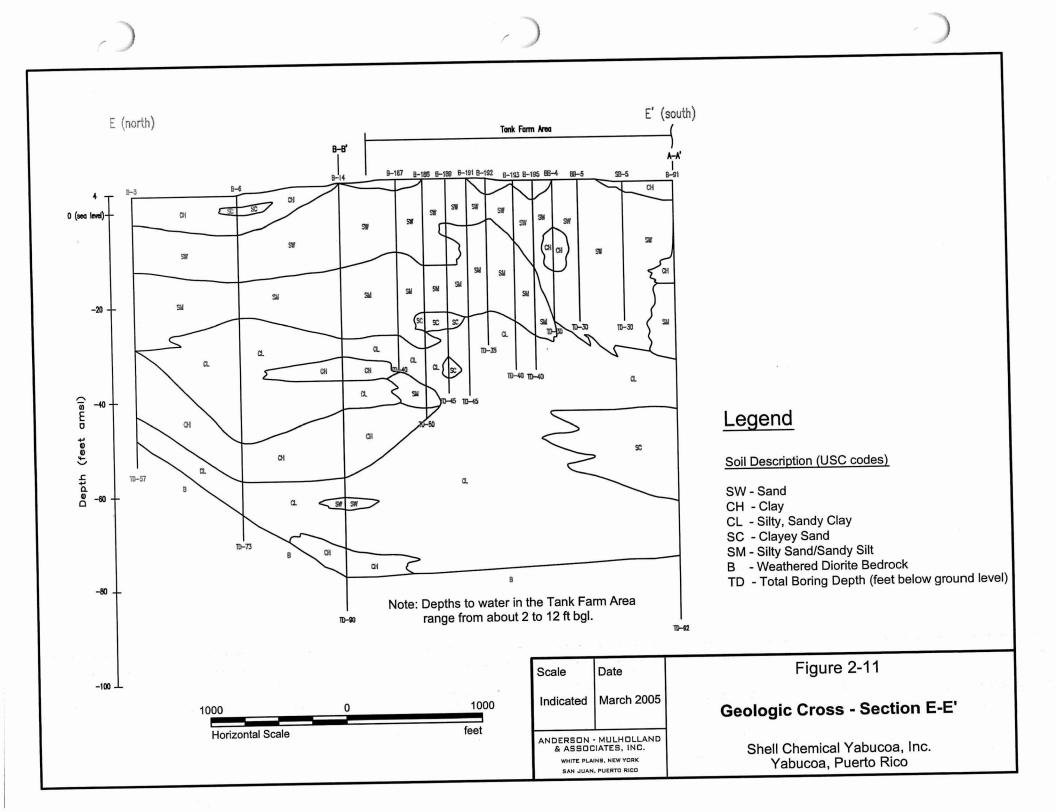
SAN JUAN, PUERTO RICO

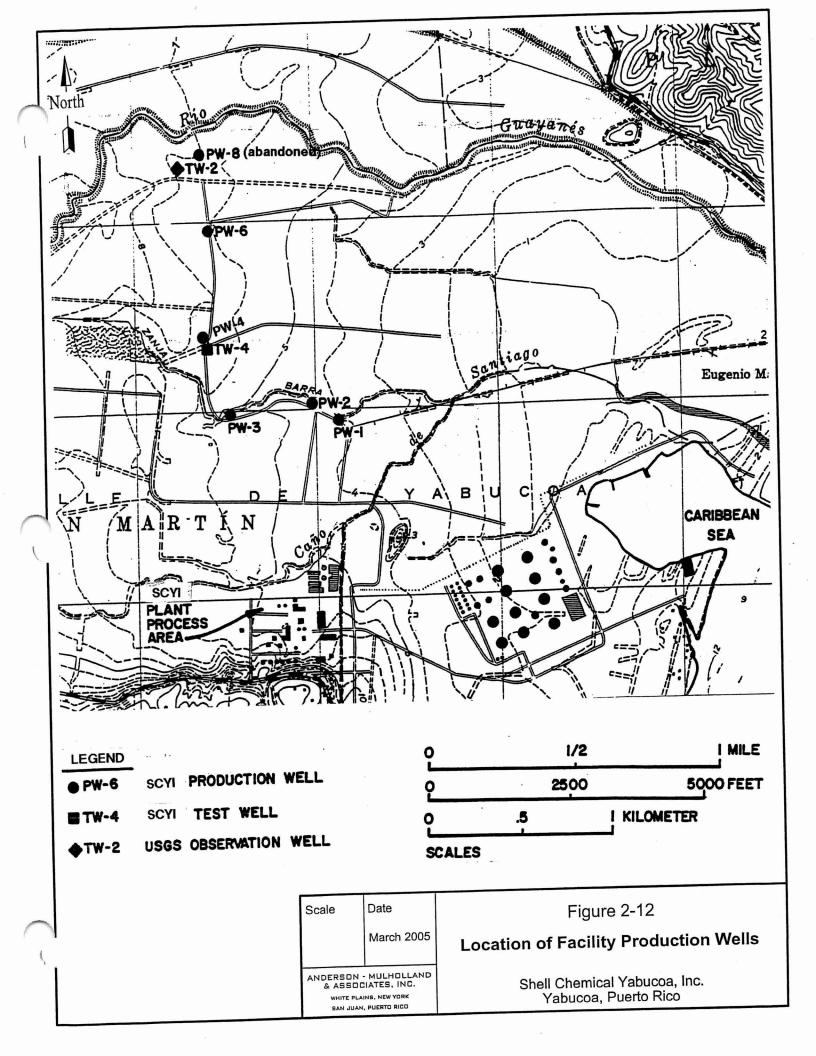
Figure 2-6

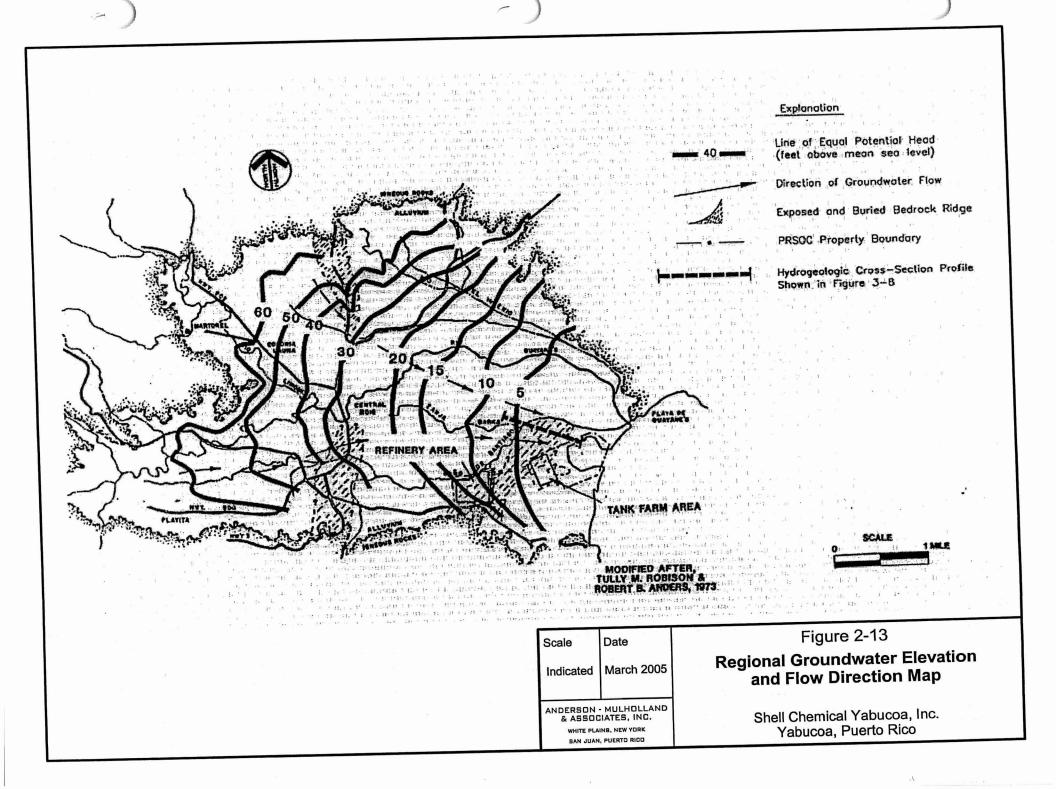
Bedrock Elevation Map
(from USGS, 1996a)

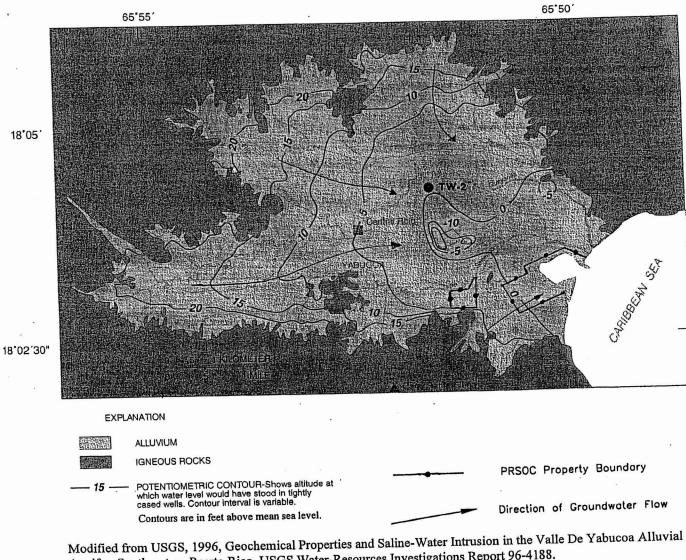
Shell Chemical Yabucoa, Inc. Yabucoa, Puerto Rico





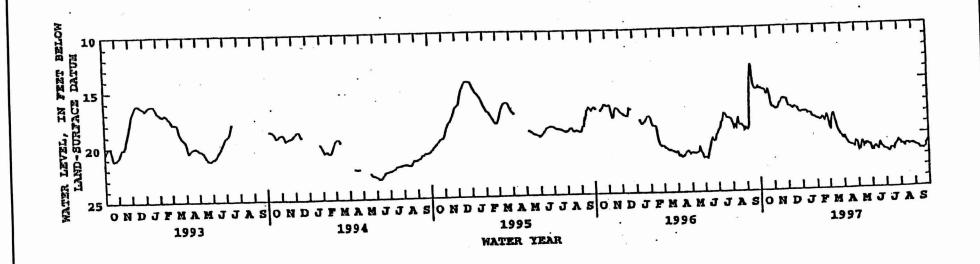






Aquifer, Southeastern Puerto Rico, USGS Water-Resources Investigations Report 96-4188.

Figure 2-14 Date Scale Regional Groundwater Elevation March 2005 Indicated and Flow Direction Map (1990) ANDERSON - MULHOLLAND & ASSOCIATES, INC. Shell Chemical Yabucoa, Inc. WHITE PLAINS, NEW YORK Yabucoa, Puerto Rico SAN JUAN, PUERTO RICO

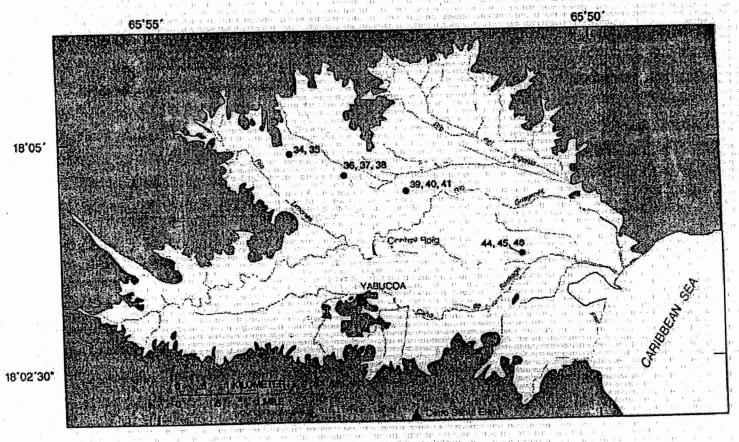


Notes:

- The location of this well is shown in Figure 3-7B. 1. .
- The USGS identifies this well as USGS TW-2 or Yabucoa 7. 2.
- Water levels are shown in feet below land surface. The land surface elevation is about 25 ft amsl, based on 3. the USGS topographic map.
- Total depth of well is 181 ft. The well casing is perforated from 56-81 ft, 102-123 ft, and 144-181 ft.

Adapted from USGS, 1998, Water Resources Data - Puerto Rico and the U.S. Virgin Islands, Water Year 1997, USGS Water-Data Report PR-97-1.

Scale	Date	Figure 2-15
None	March 2005	Groundwater Levels at Well USGS TW-2
& ASSOC	- MULHOLLAND CIATES, INC. LINS, NEW YORK	Shell Chemical Yabucoa, Inc. Yabucoa, Puerto Rico



EXPLANATION:

ALLUVIU

1916

IGNEOUS ROCKS

24

WELLS AND NUMBER

Scale	Date
None	March 2005
	I - MULHOLLAND CIATES, INC.

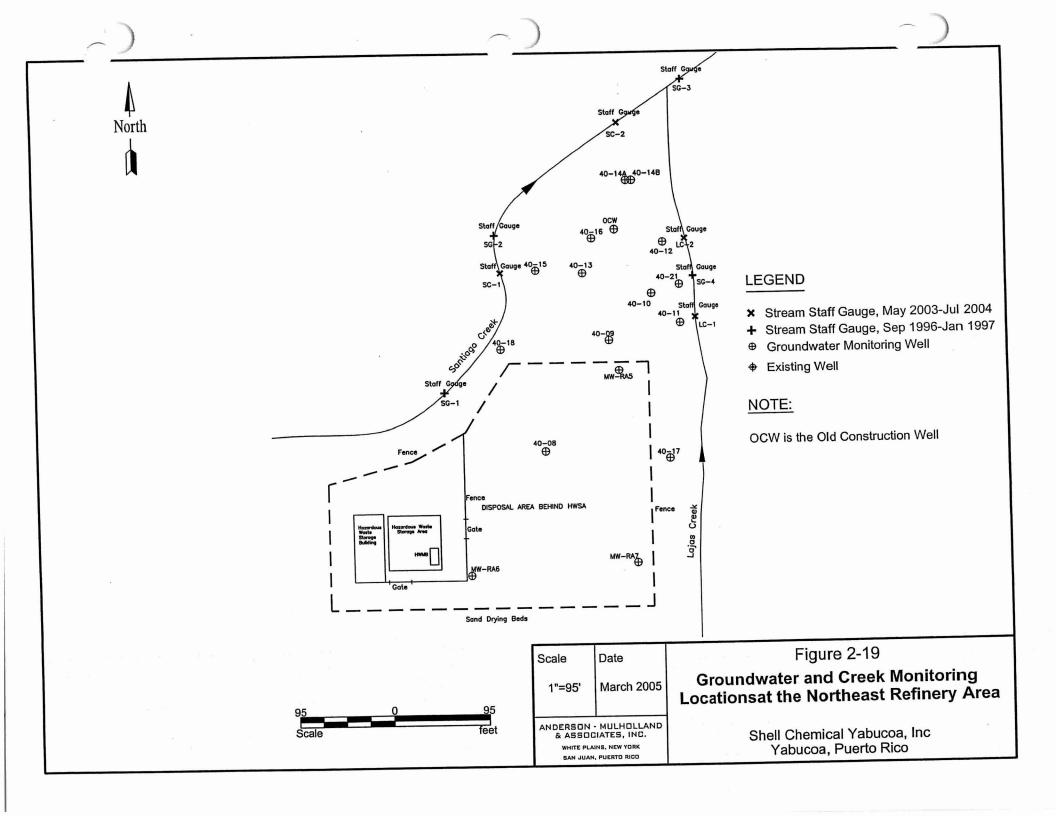
SAN JUAN, PUERTO RICO

AND

Figure 2-16

Location of USGS Nested Groundwater Monitoring Wells

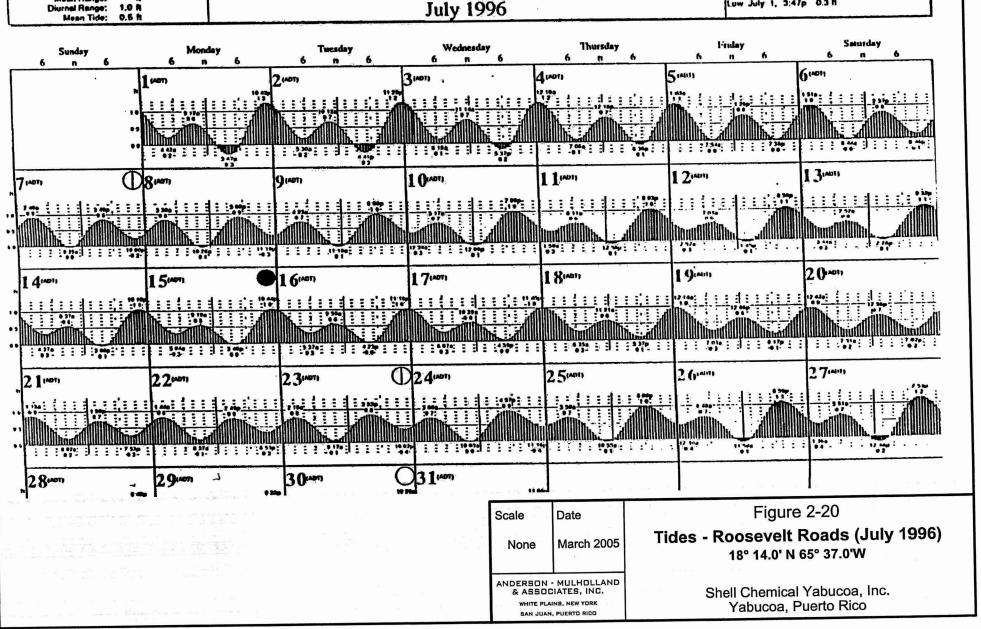
Shell Chemical Yabucoa, Inc. Yabucoa, Puerto Rico

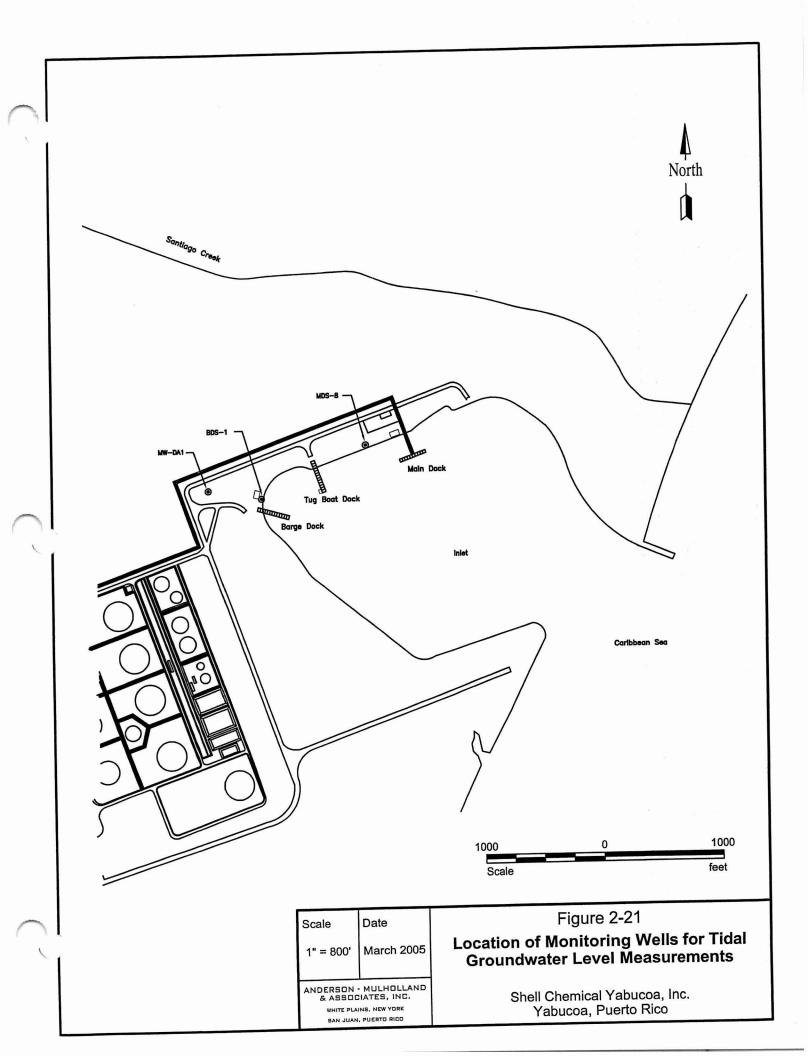


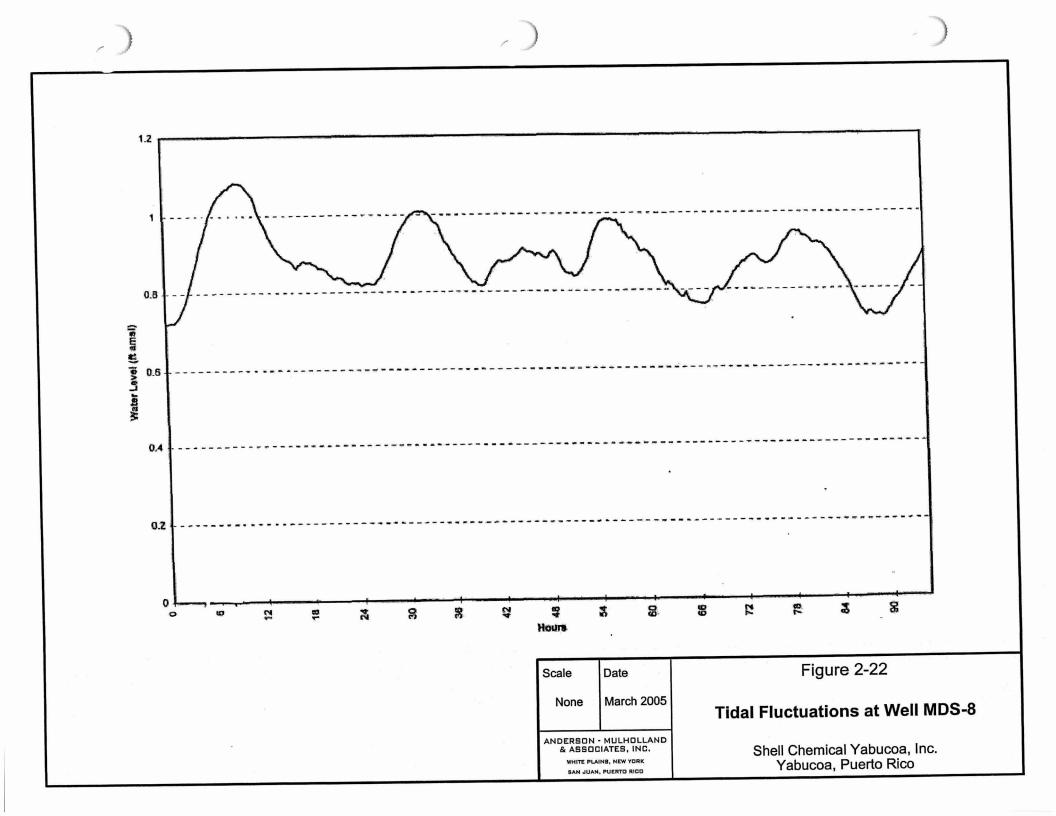
Tides - Roosevelt Roads

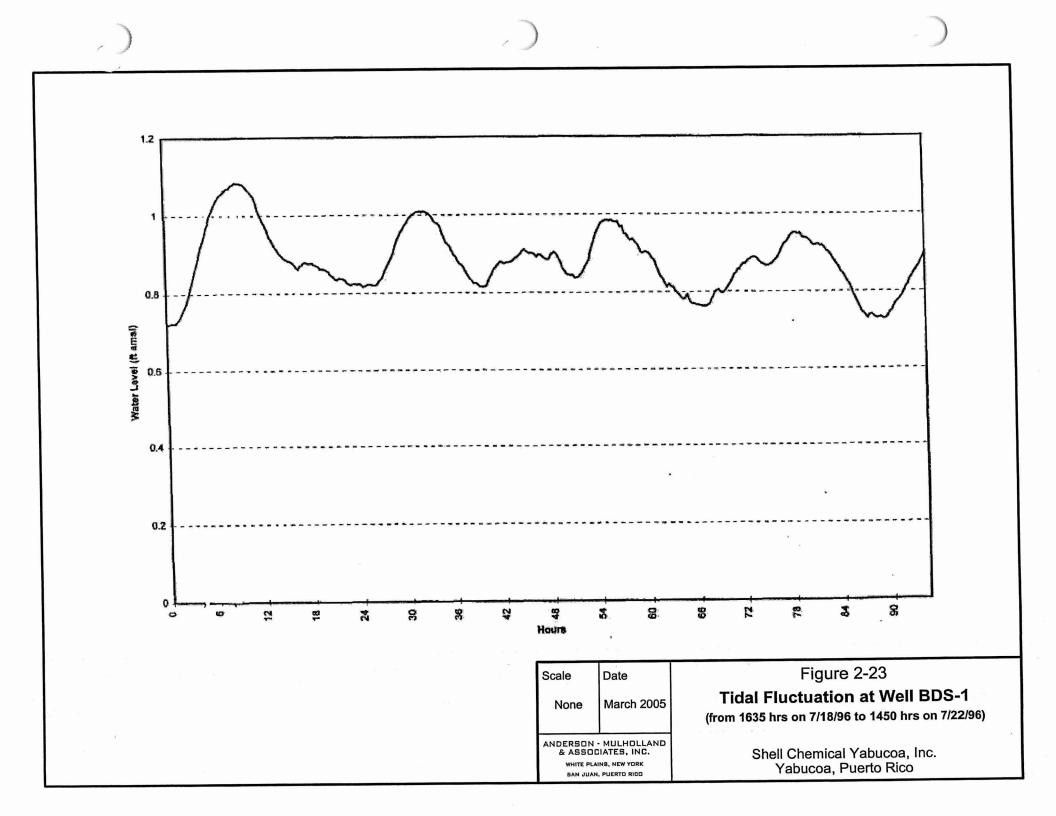
18" 14,0" N 65" 37,0" W Mean Range:

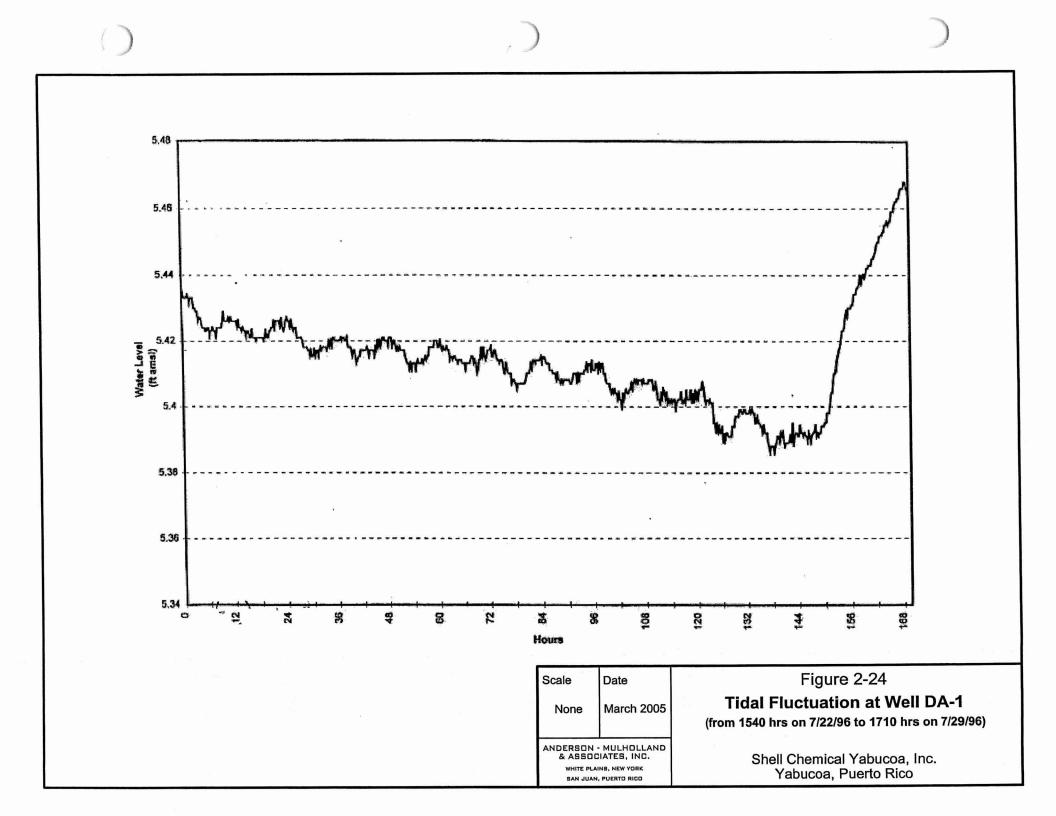
Monthly High & Low High July 1, 10.42p 13 ft Low July 1, 3:47p 0.3 H

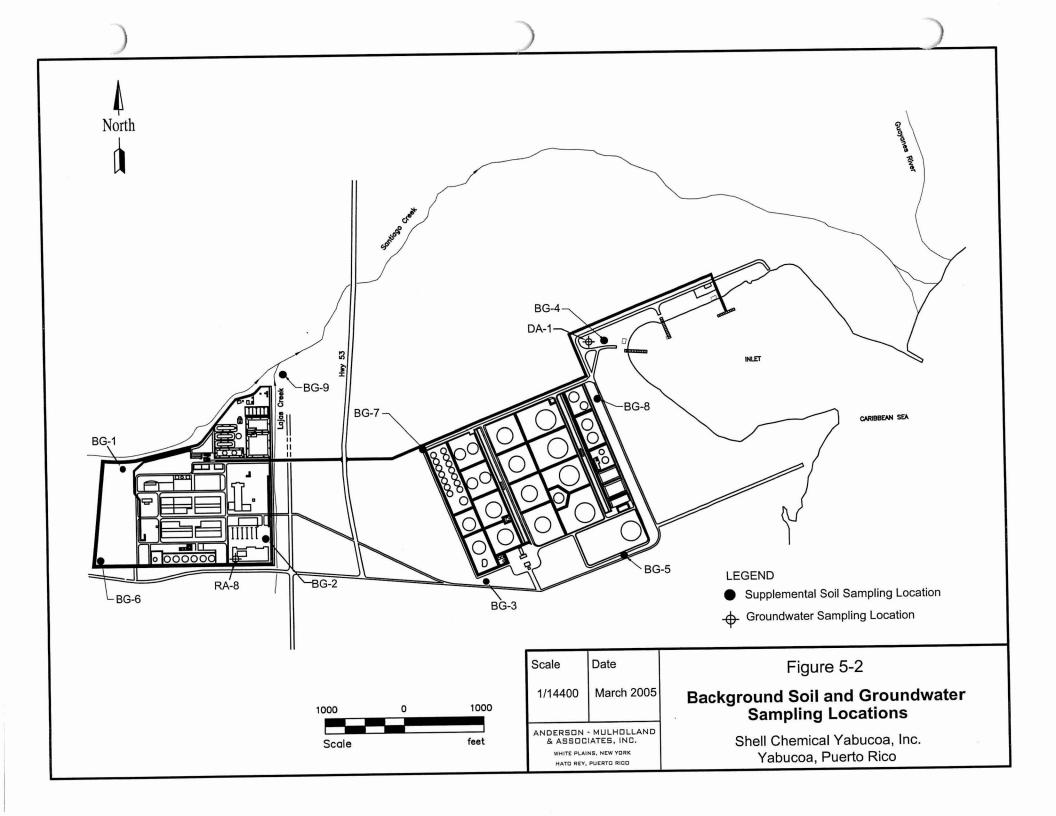


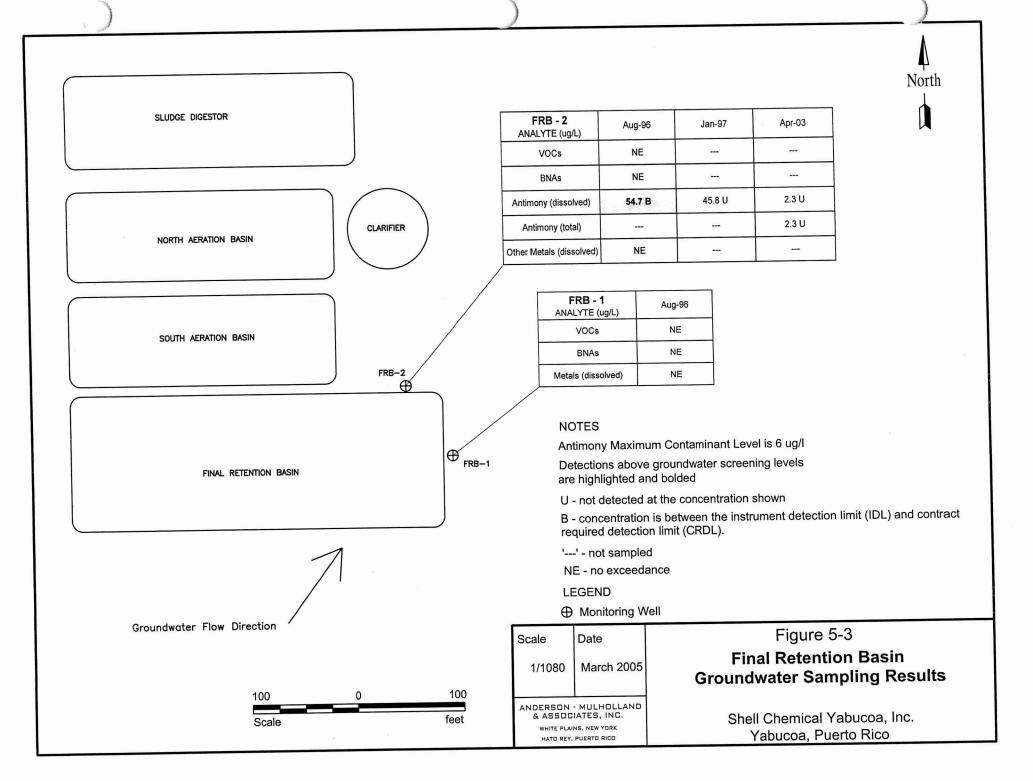


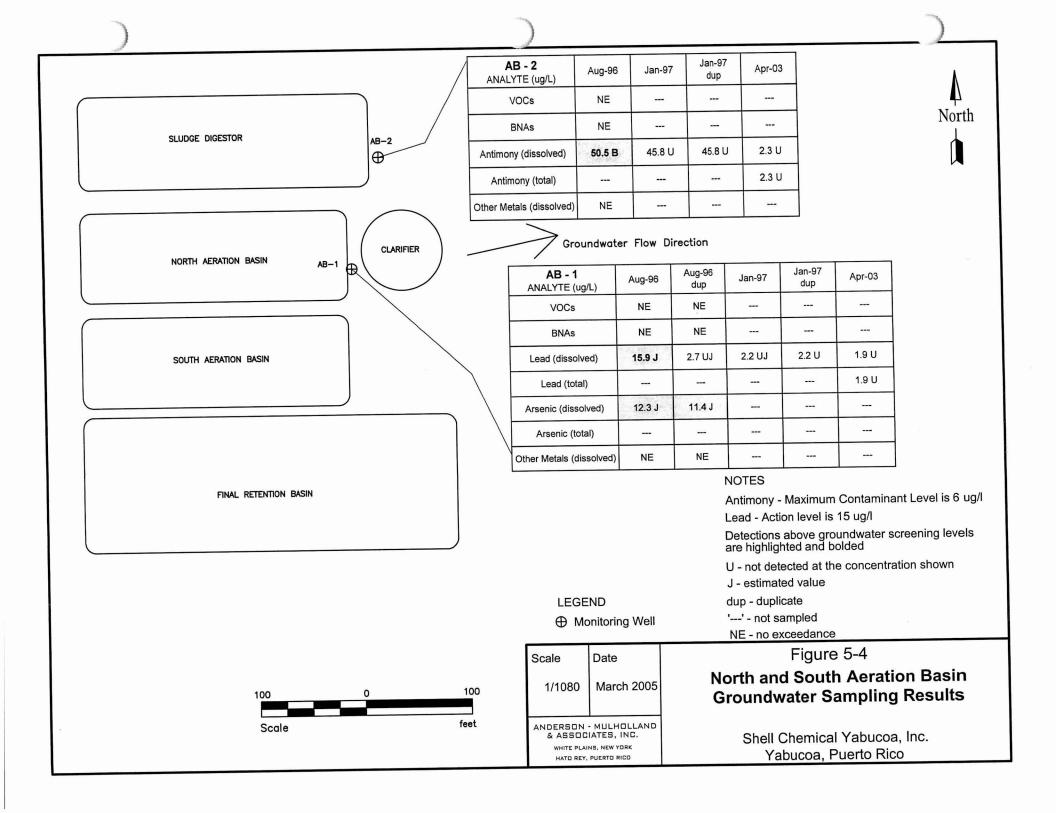


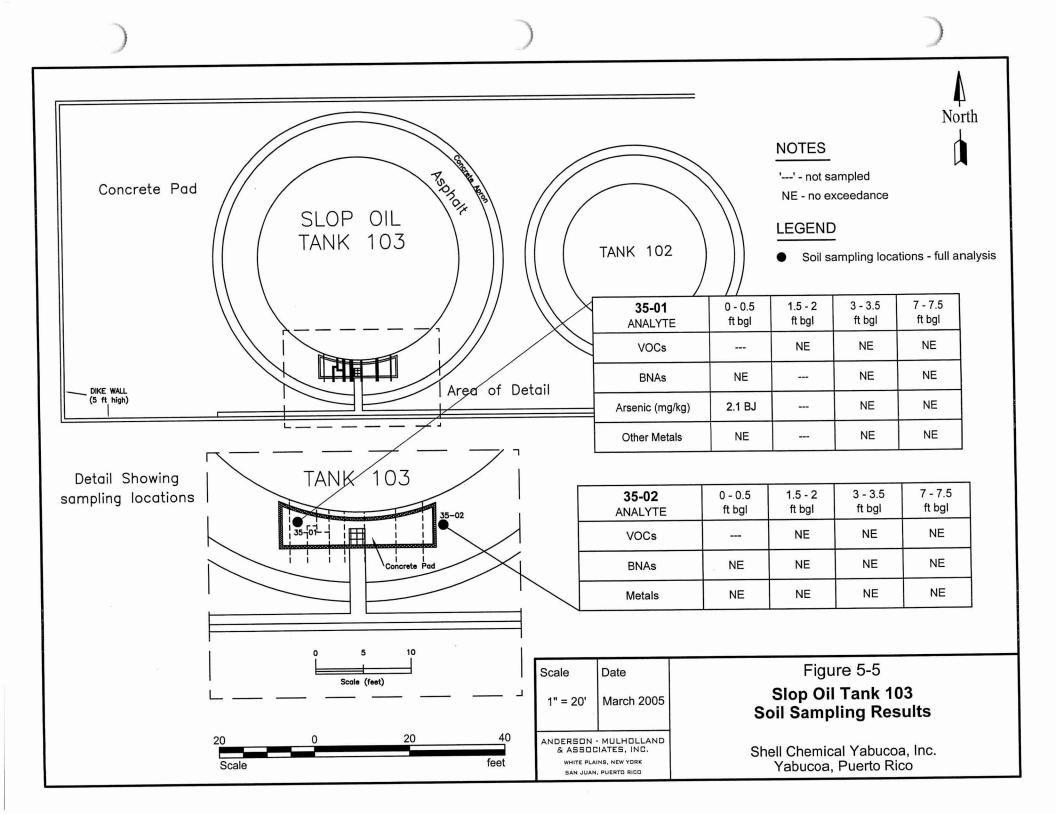


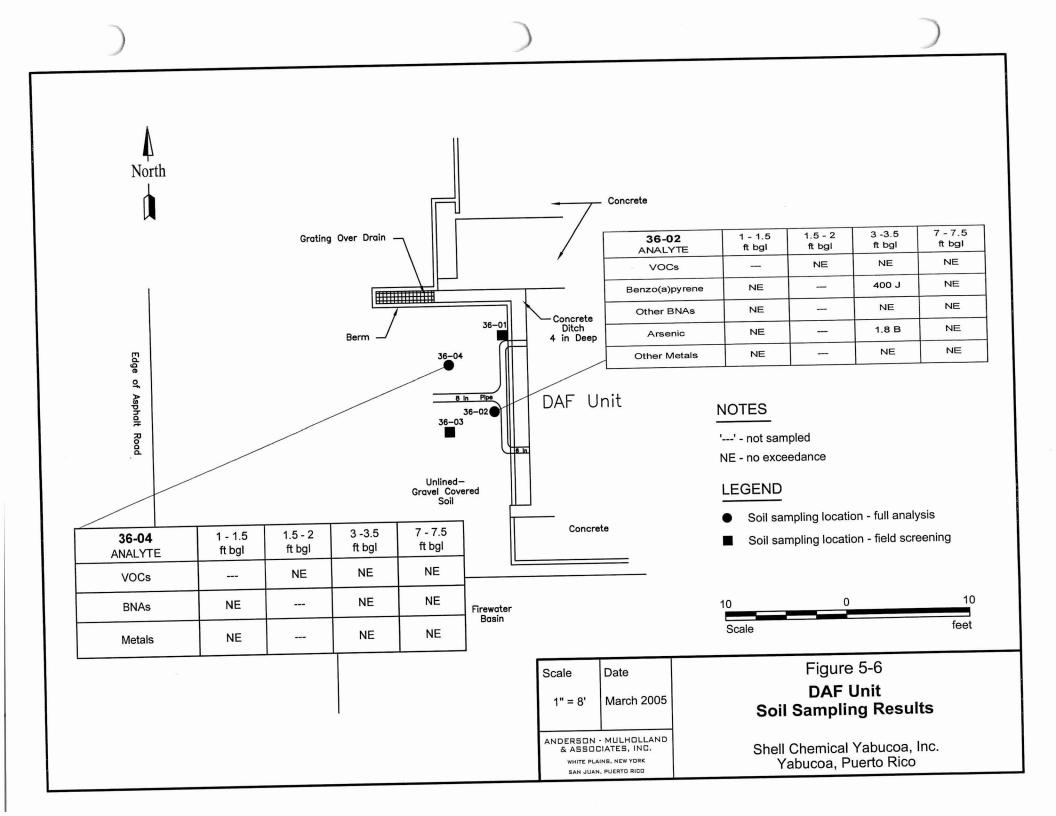


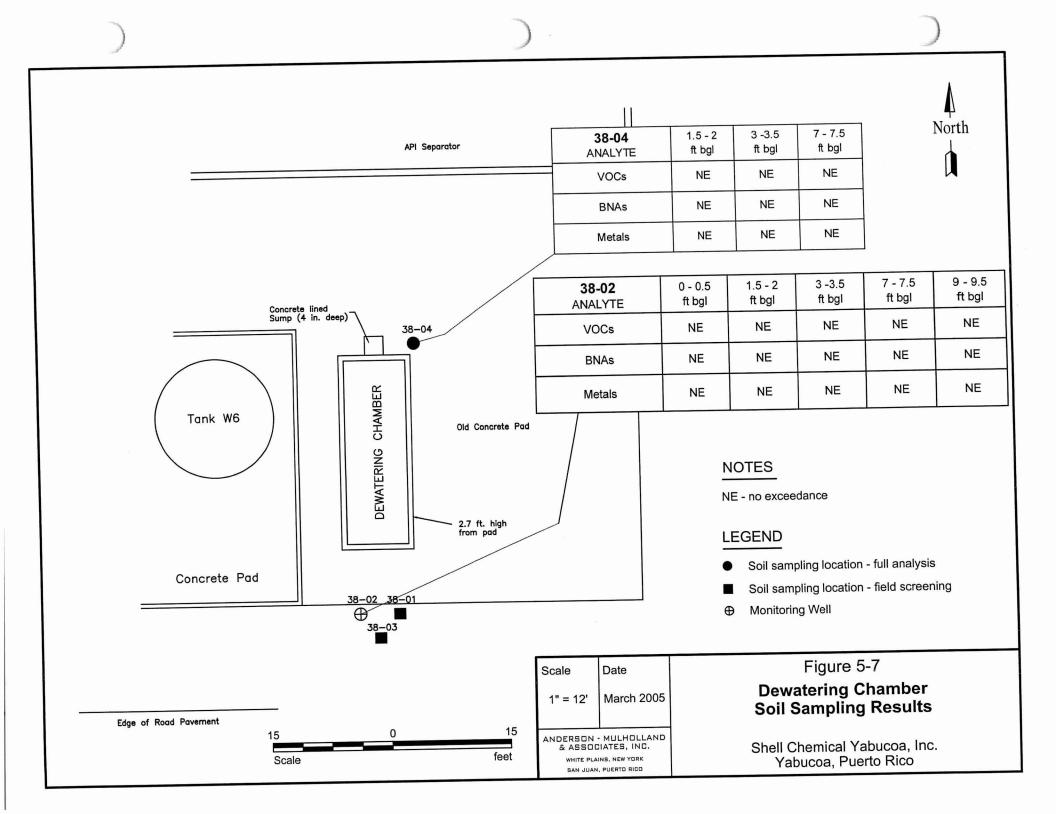


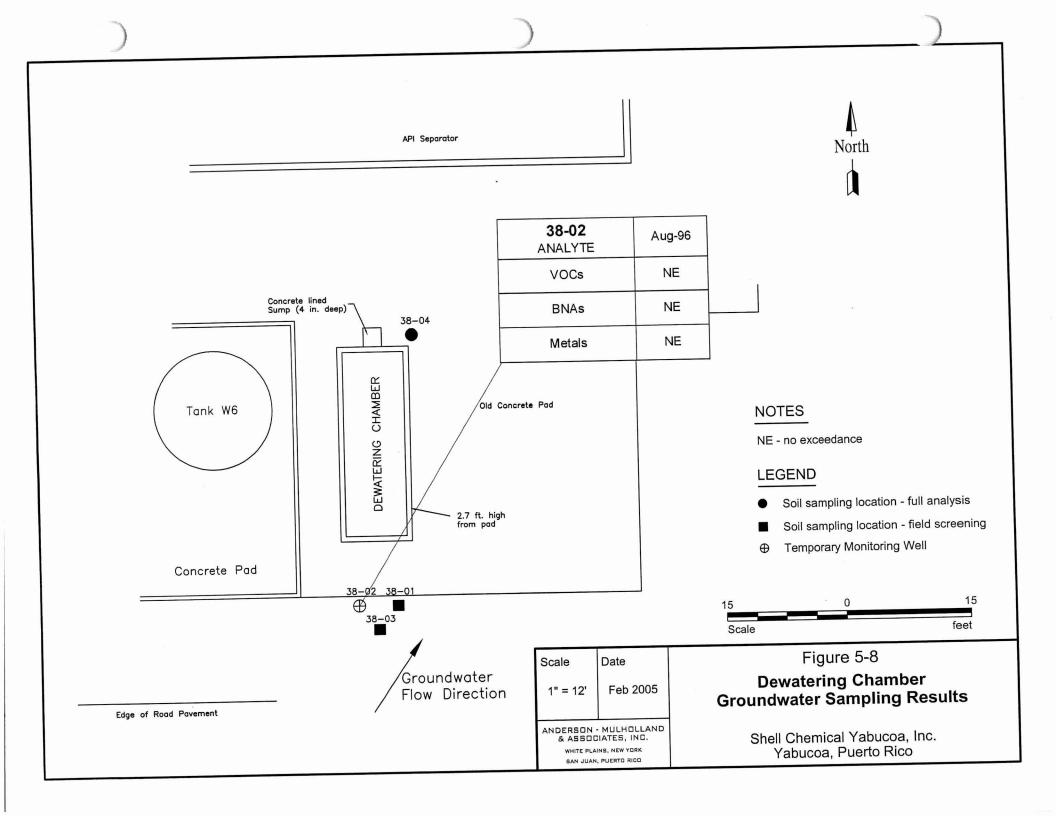


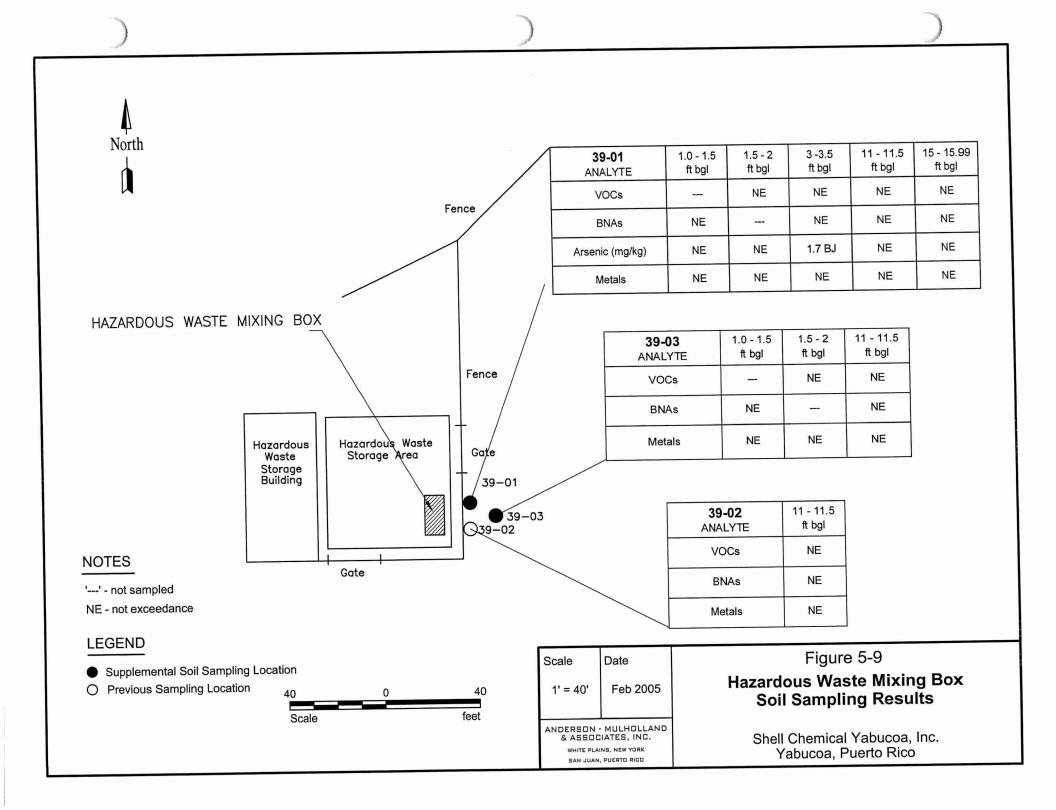


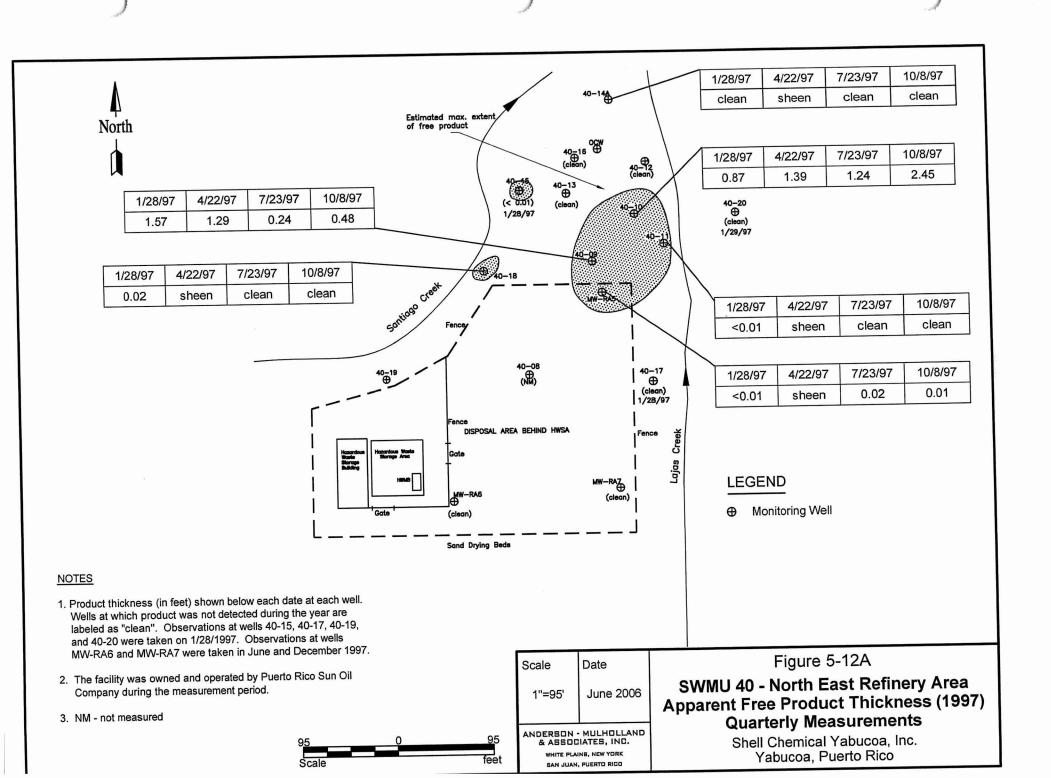


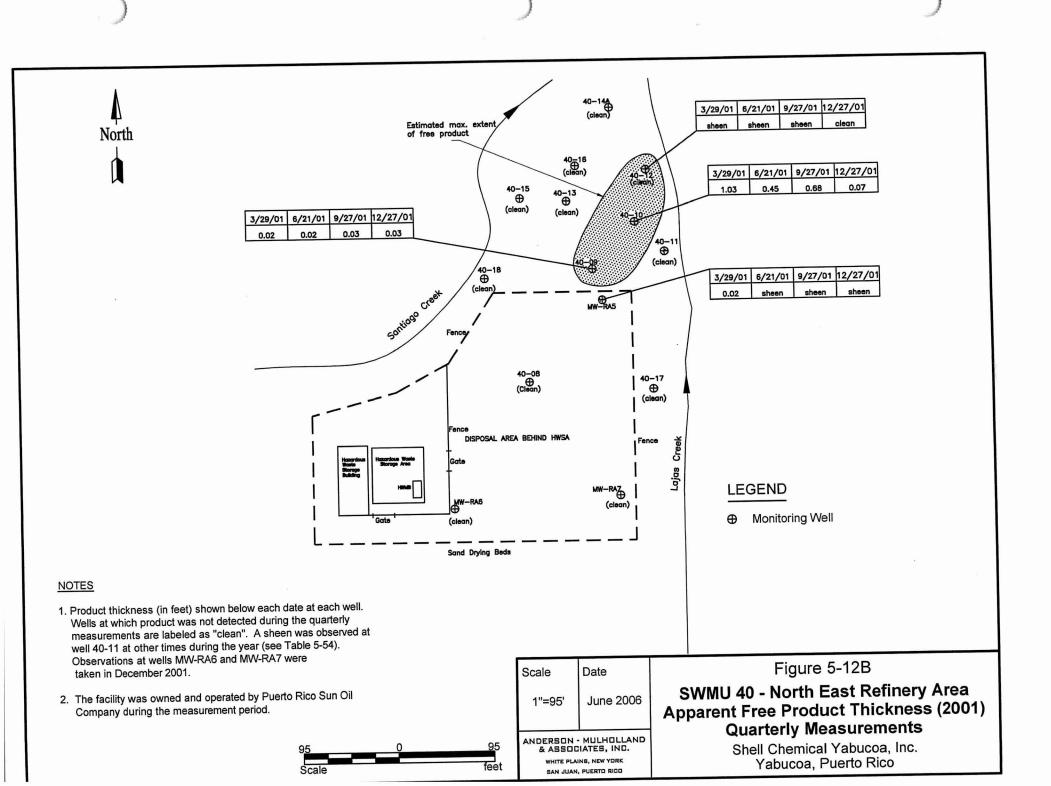


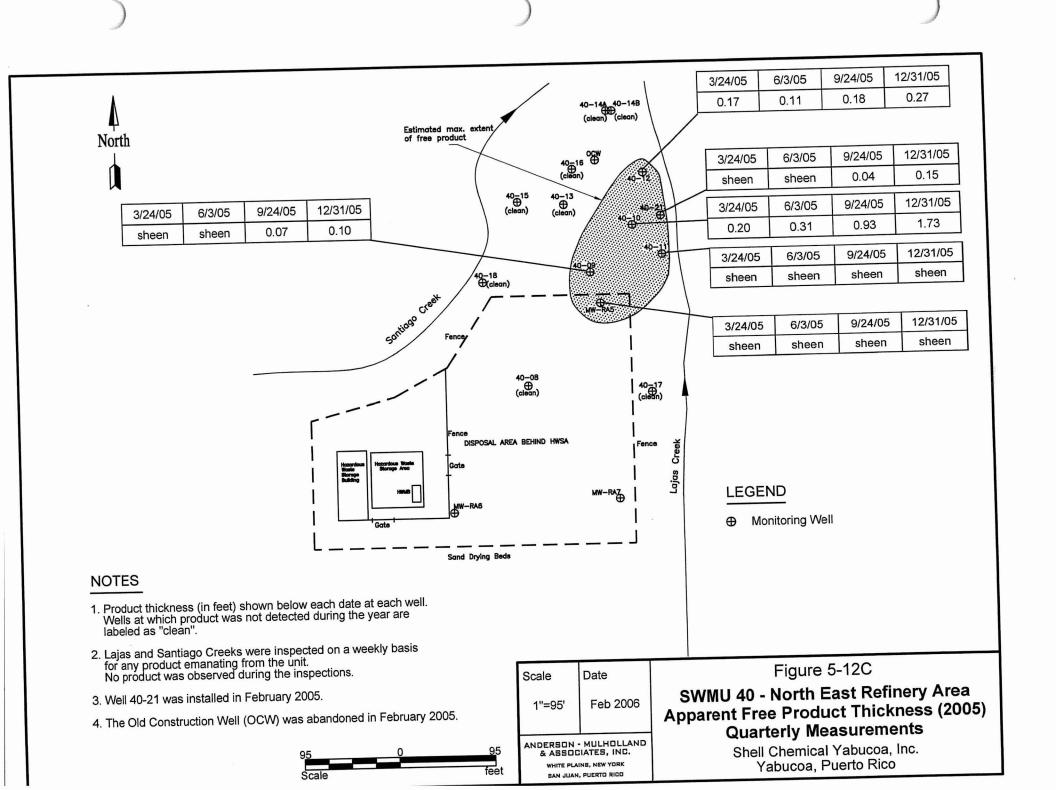


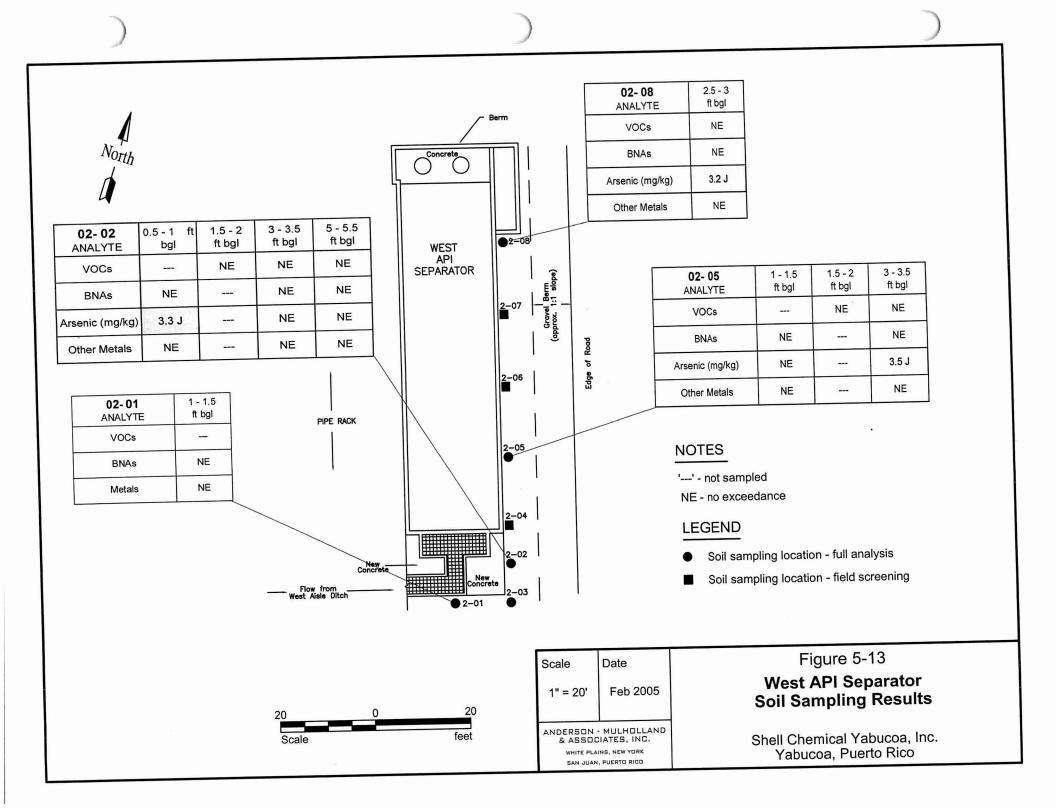


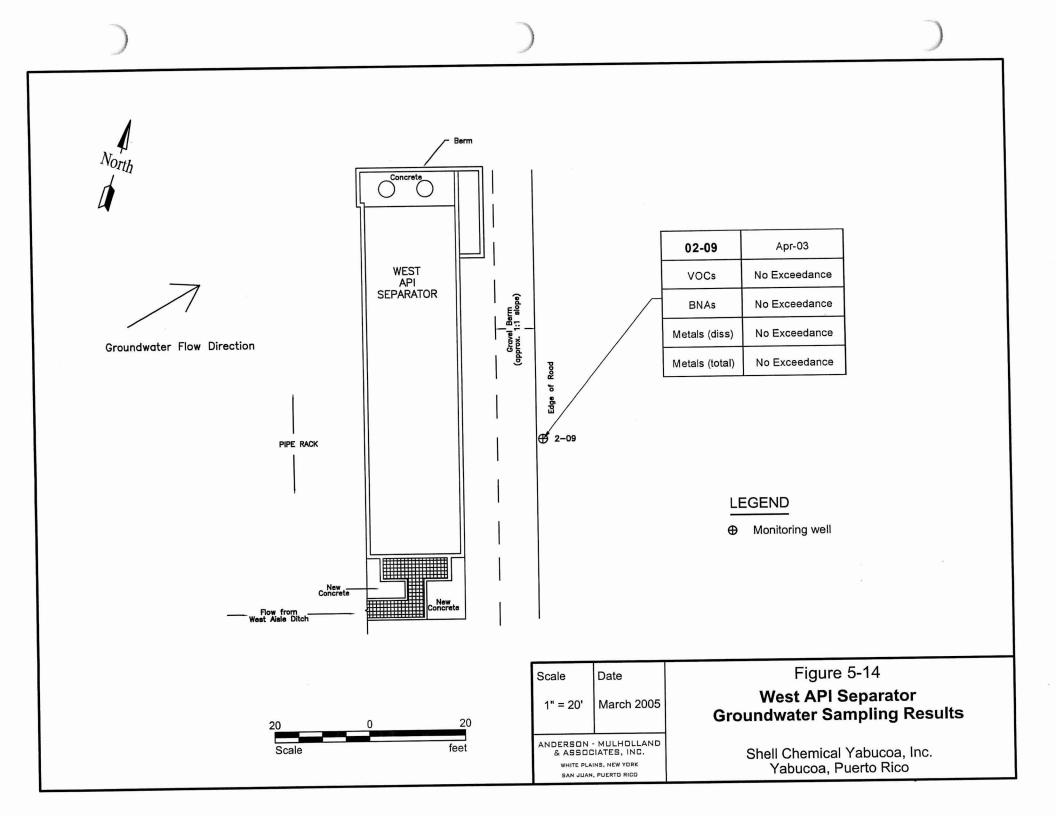


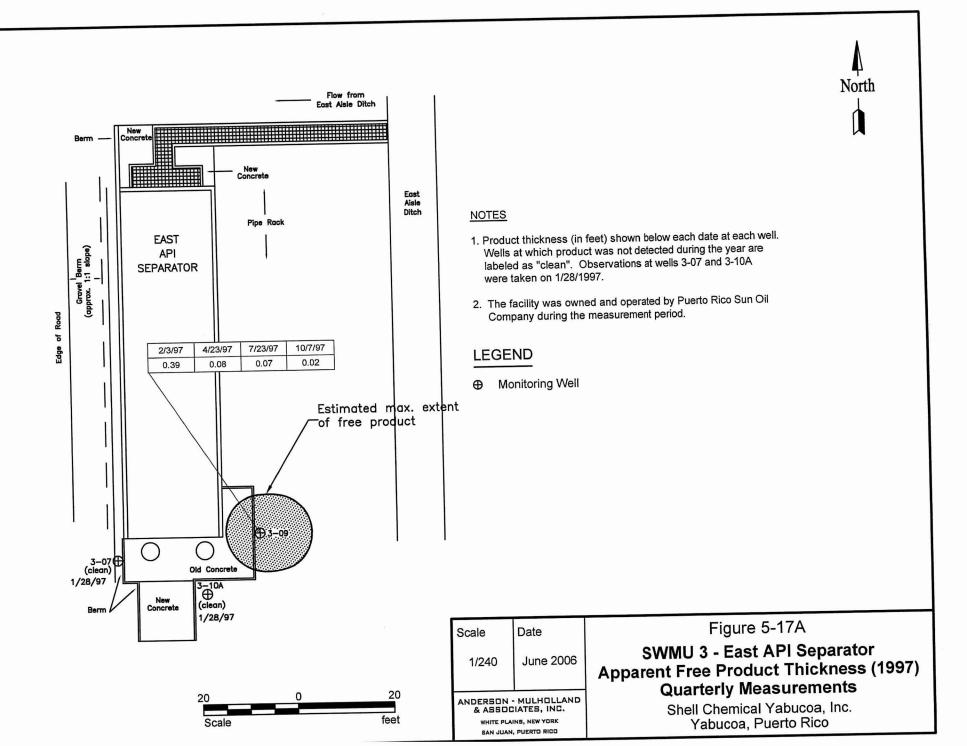


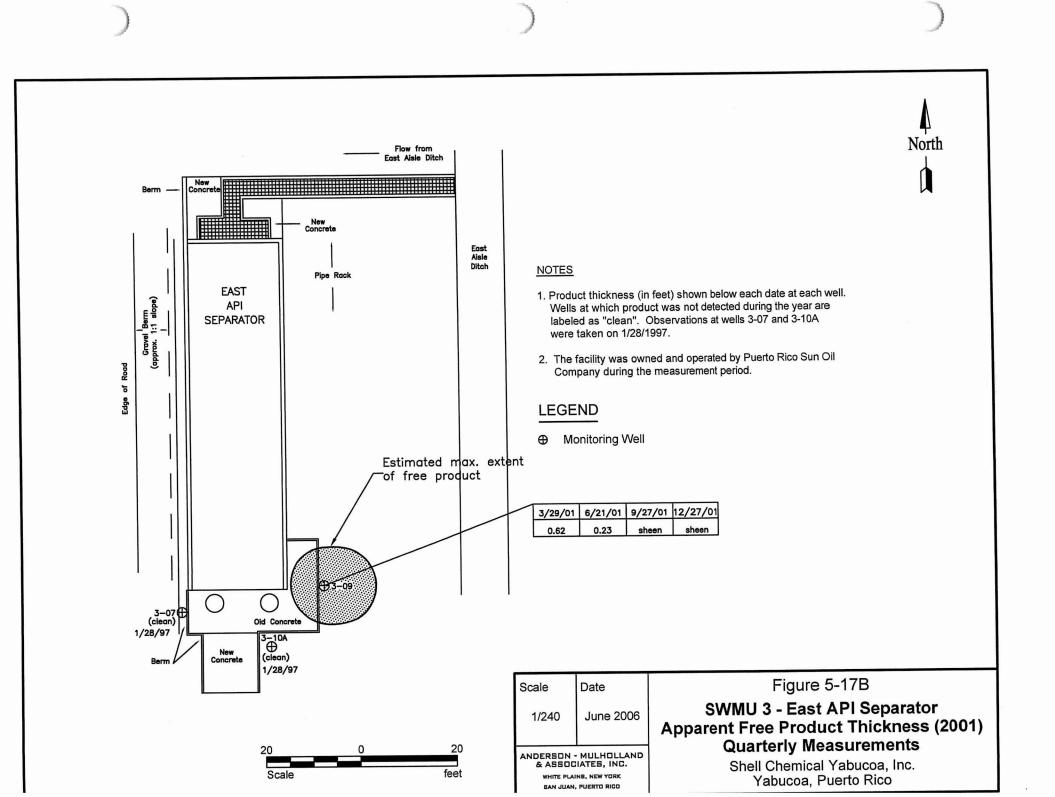


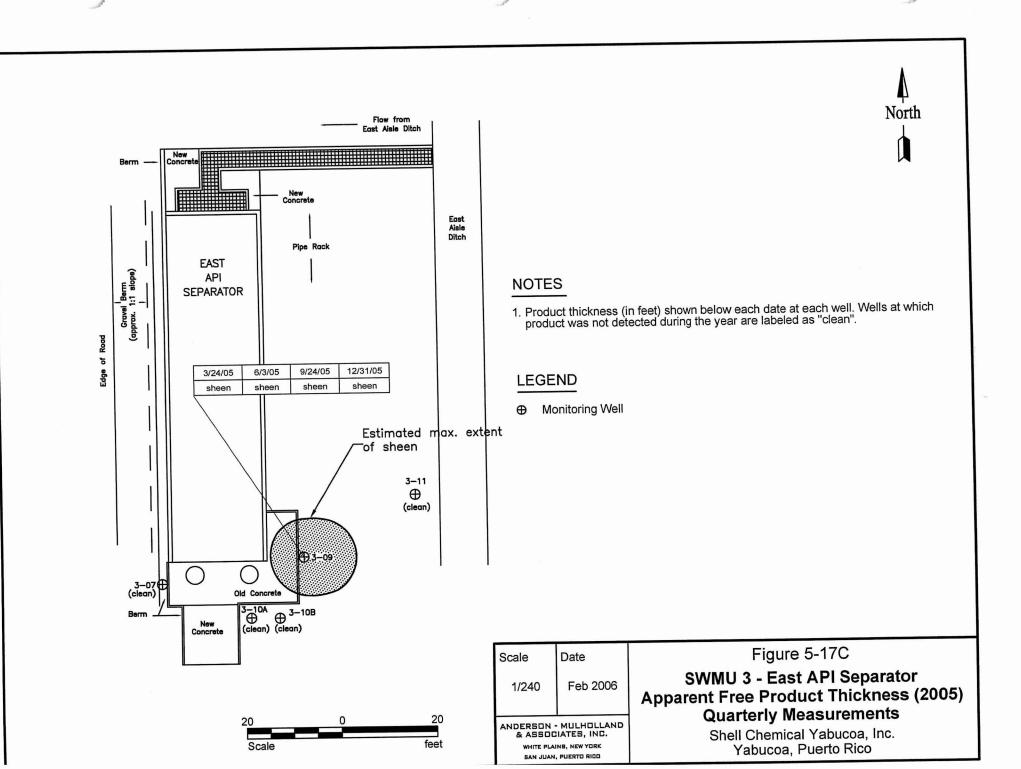


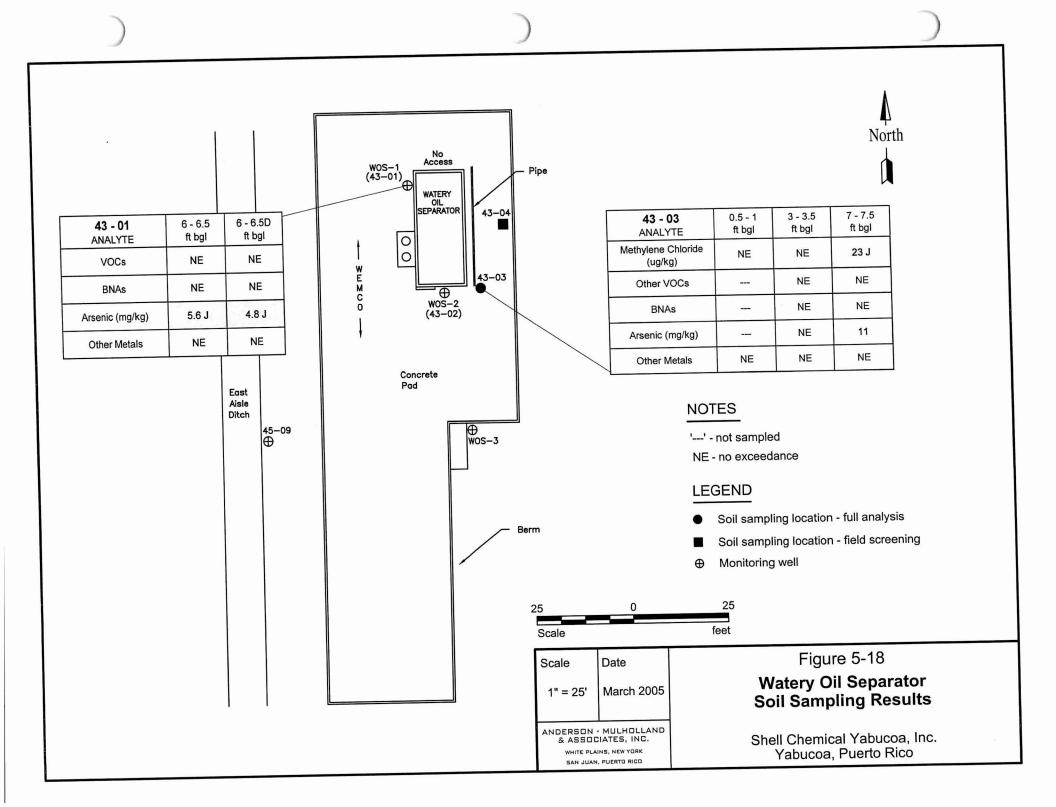


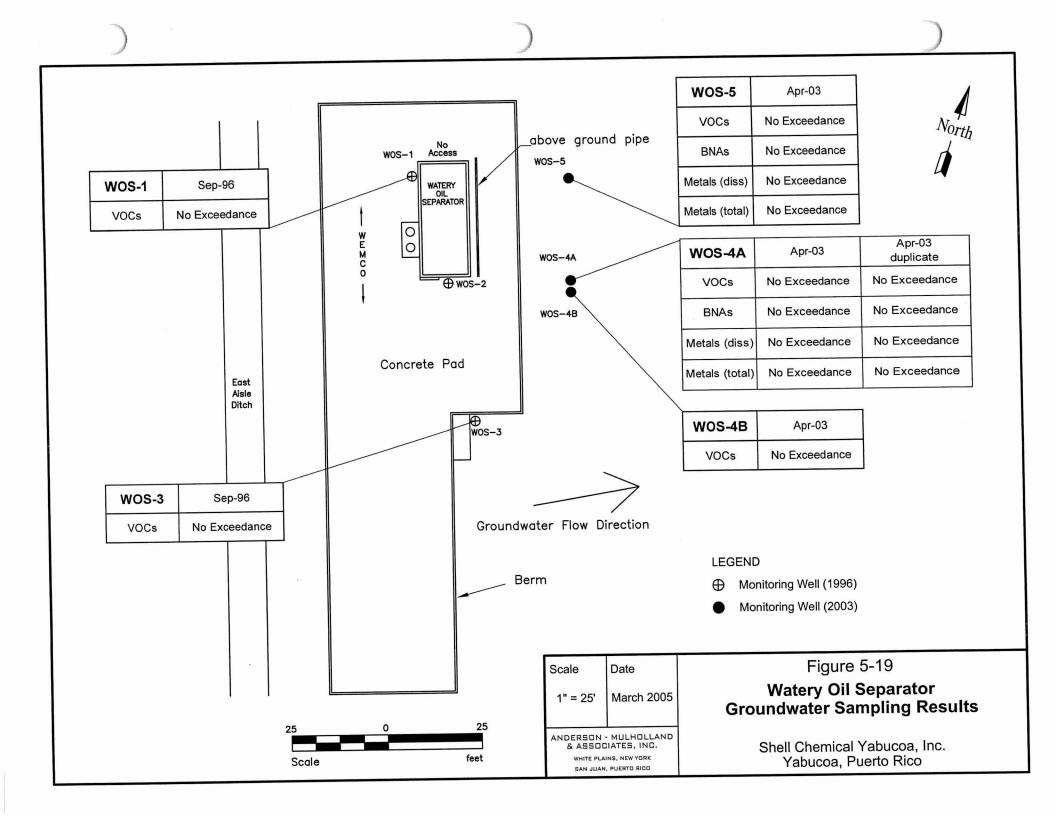


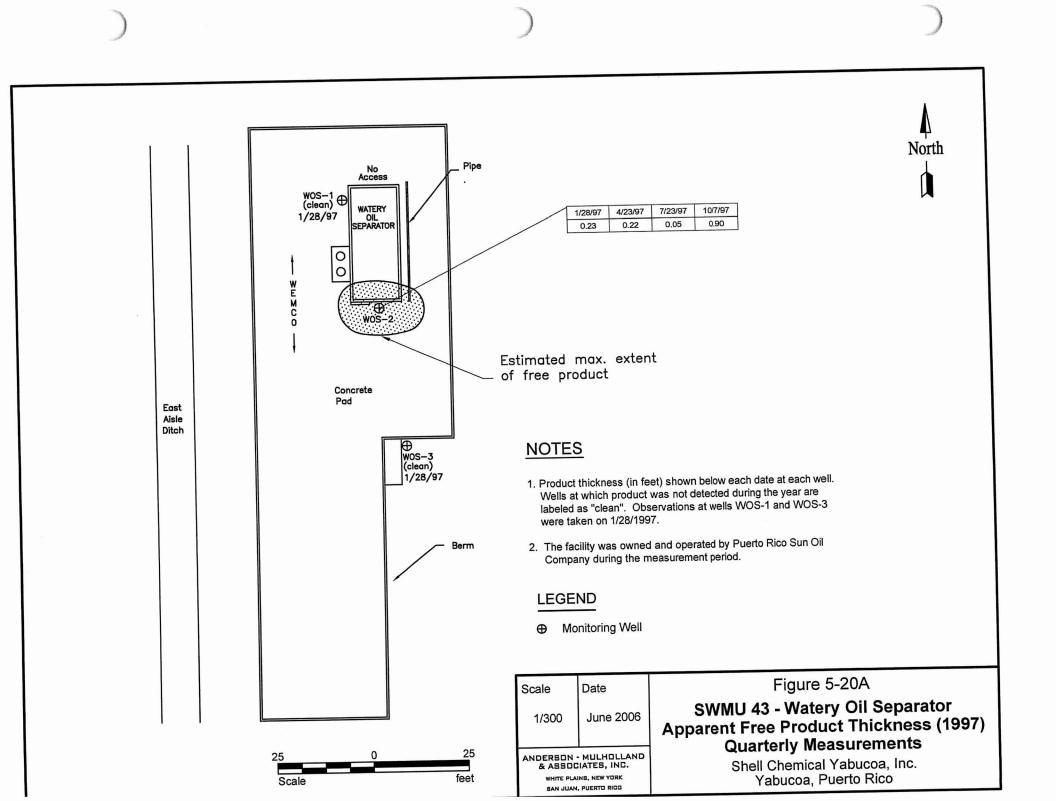


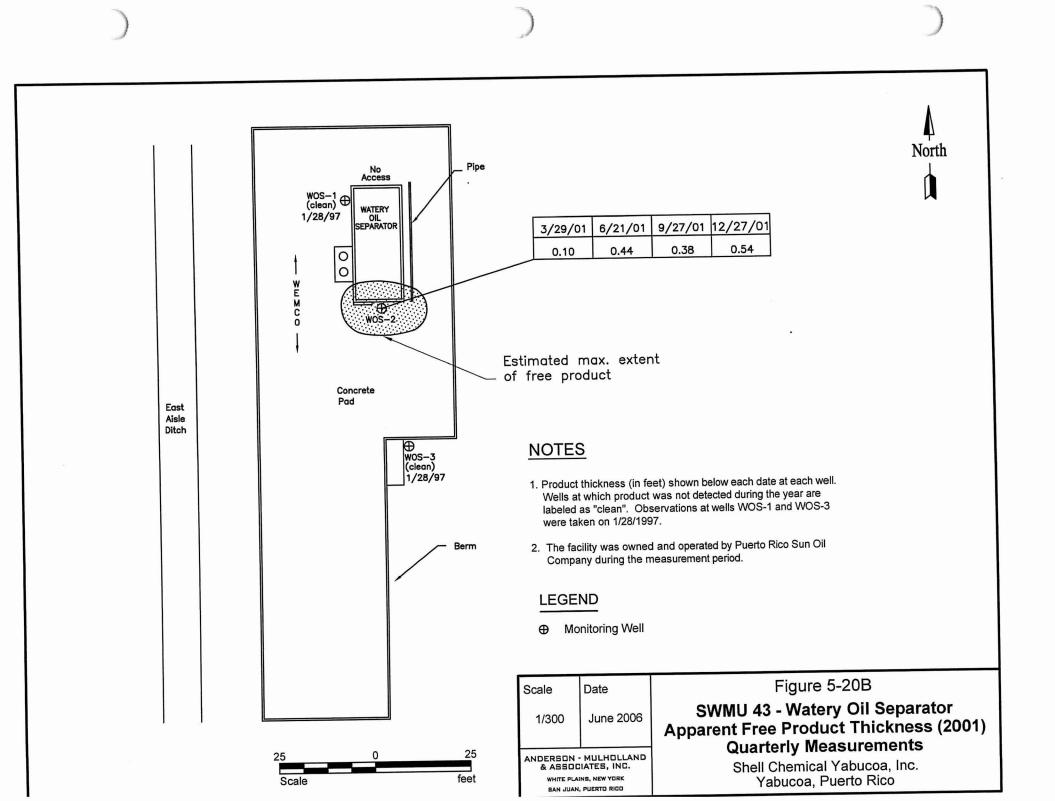


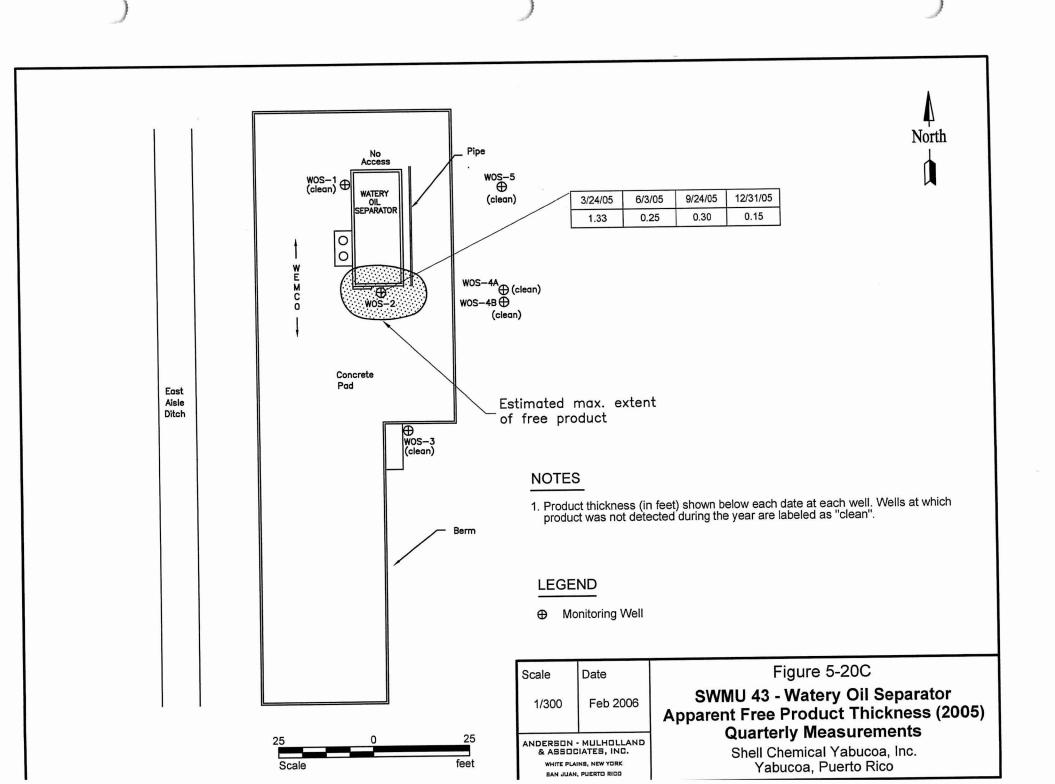


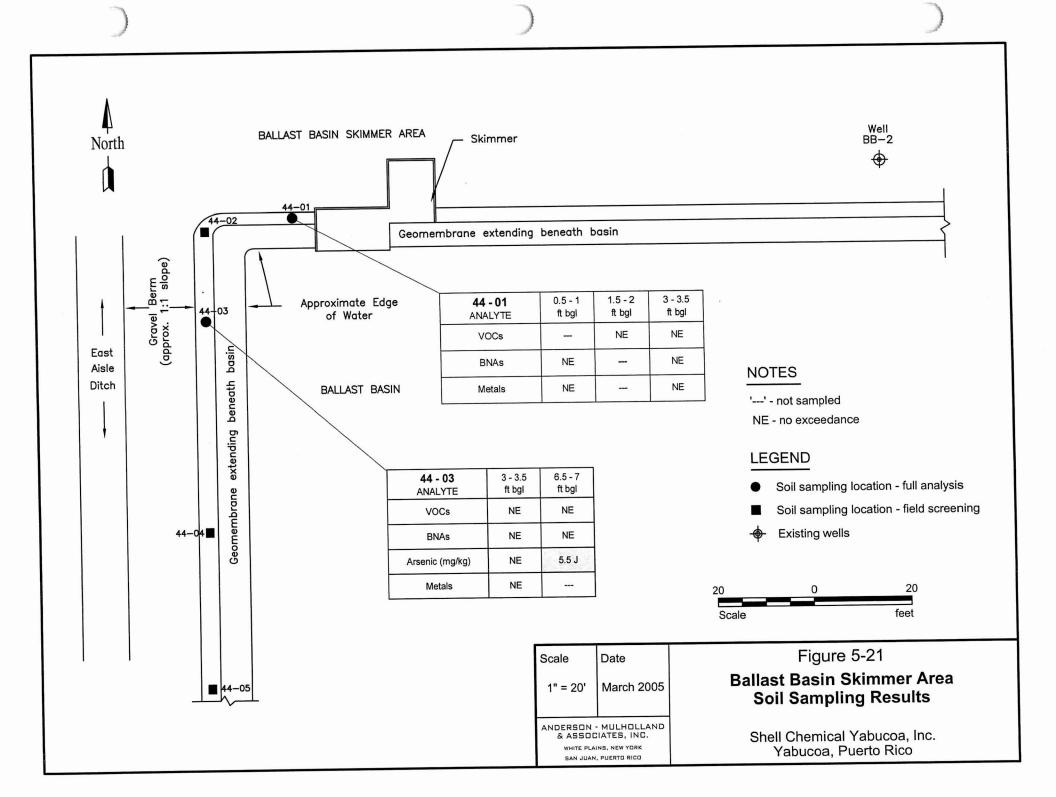


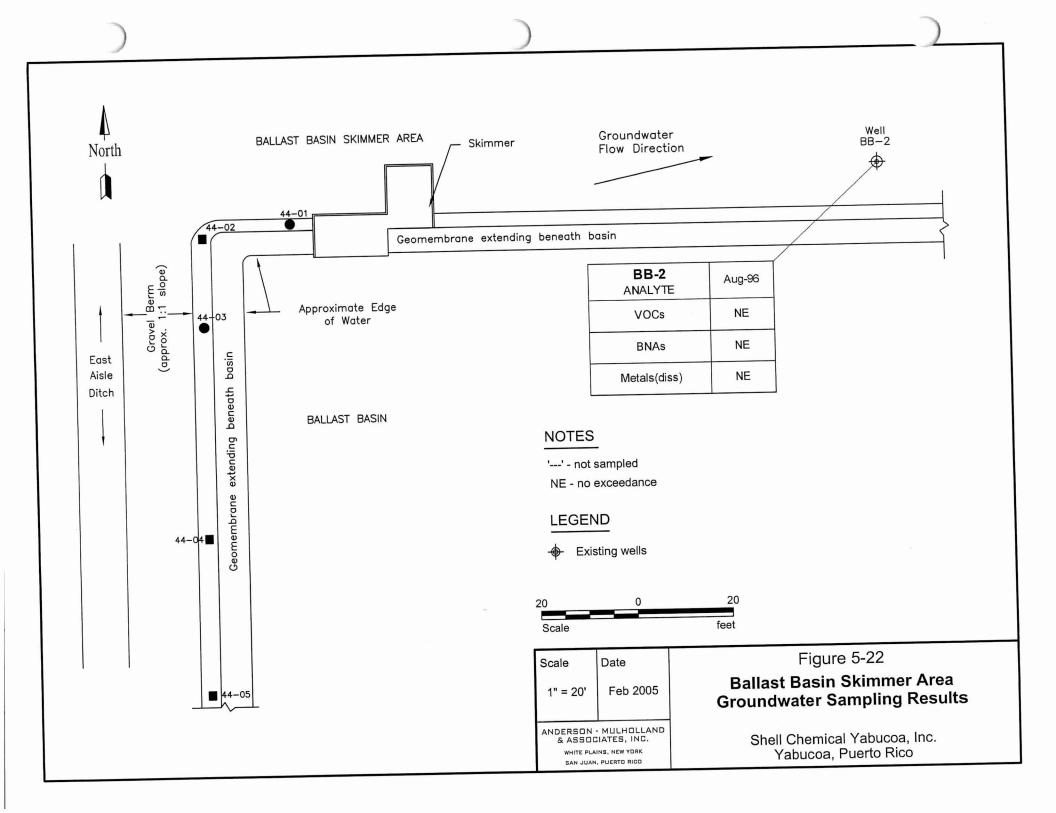


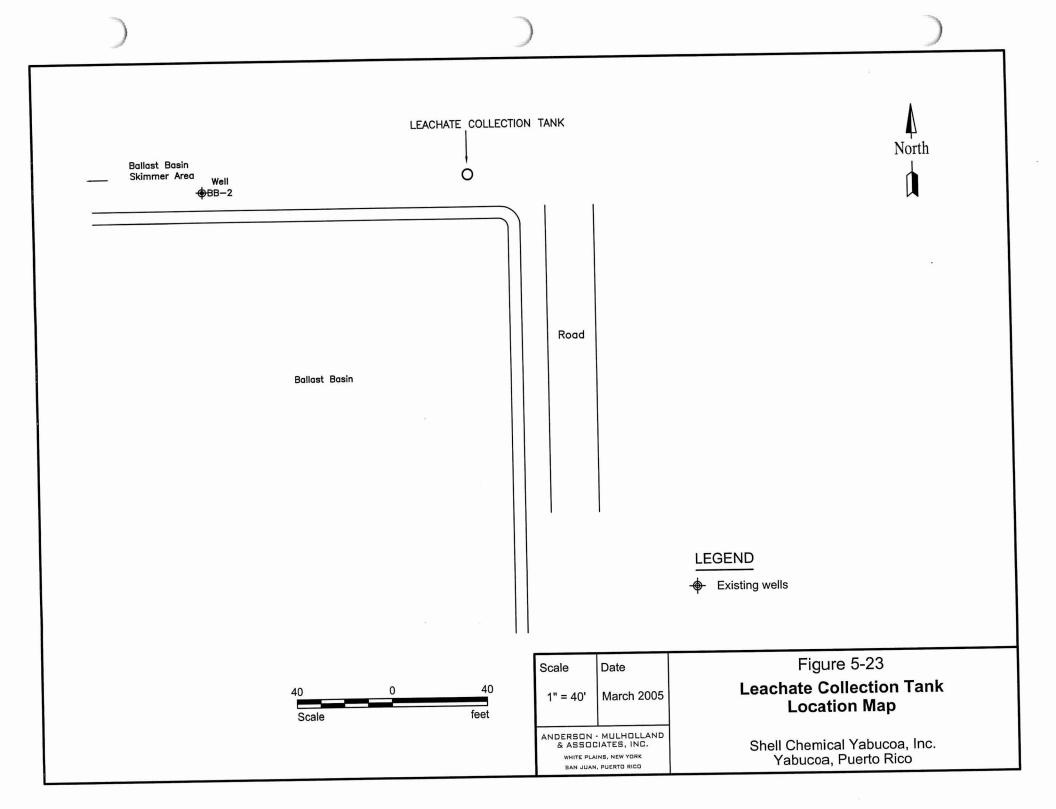


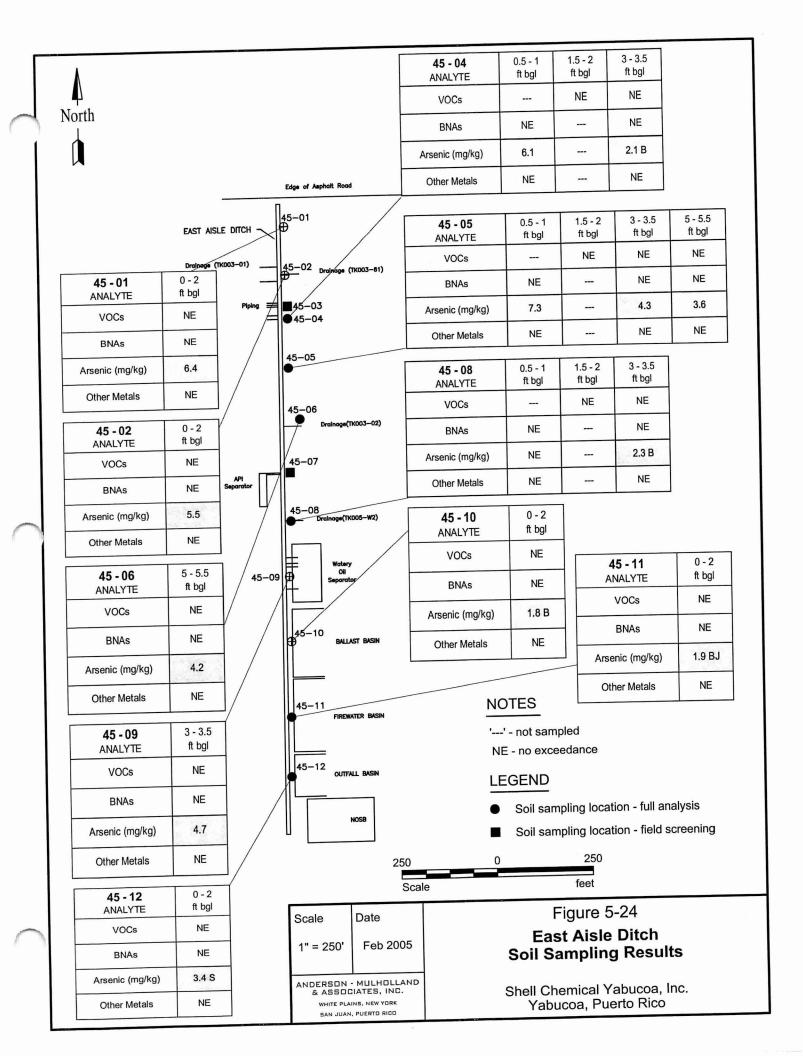


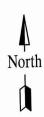


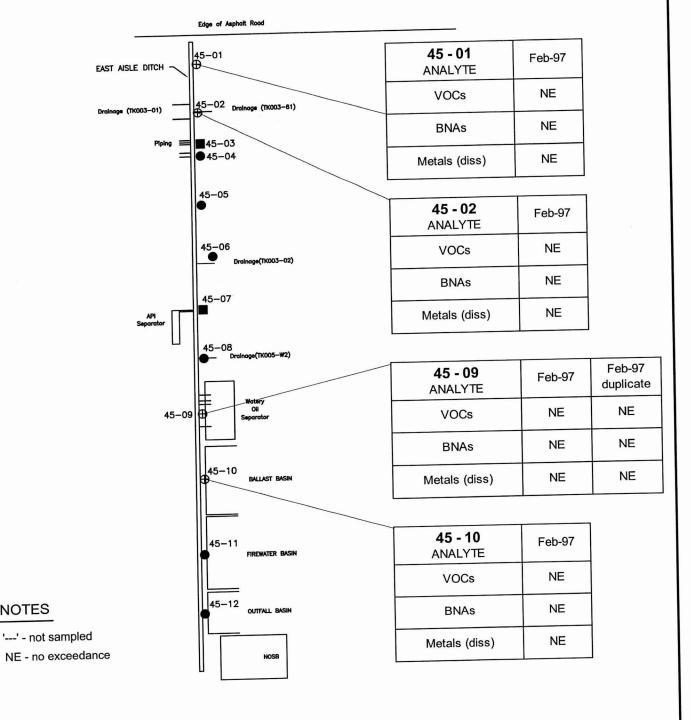














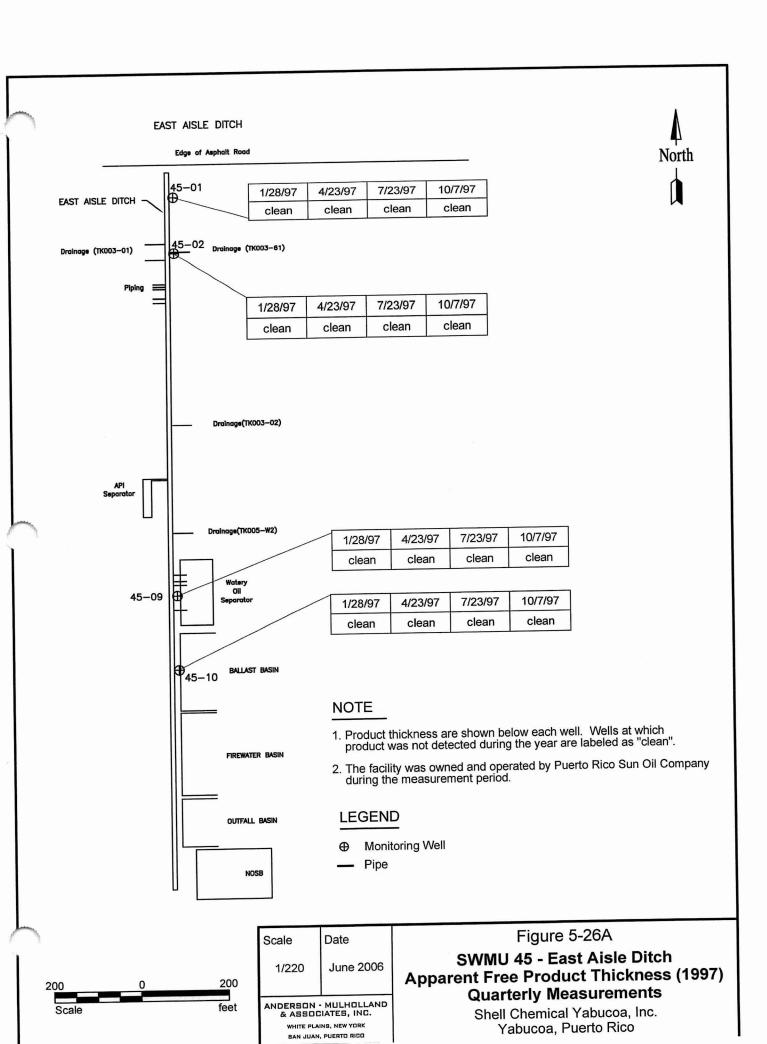
NOTES

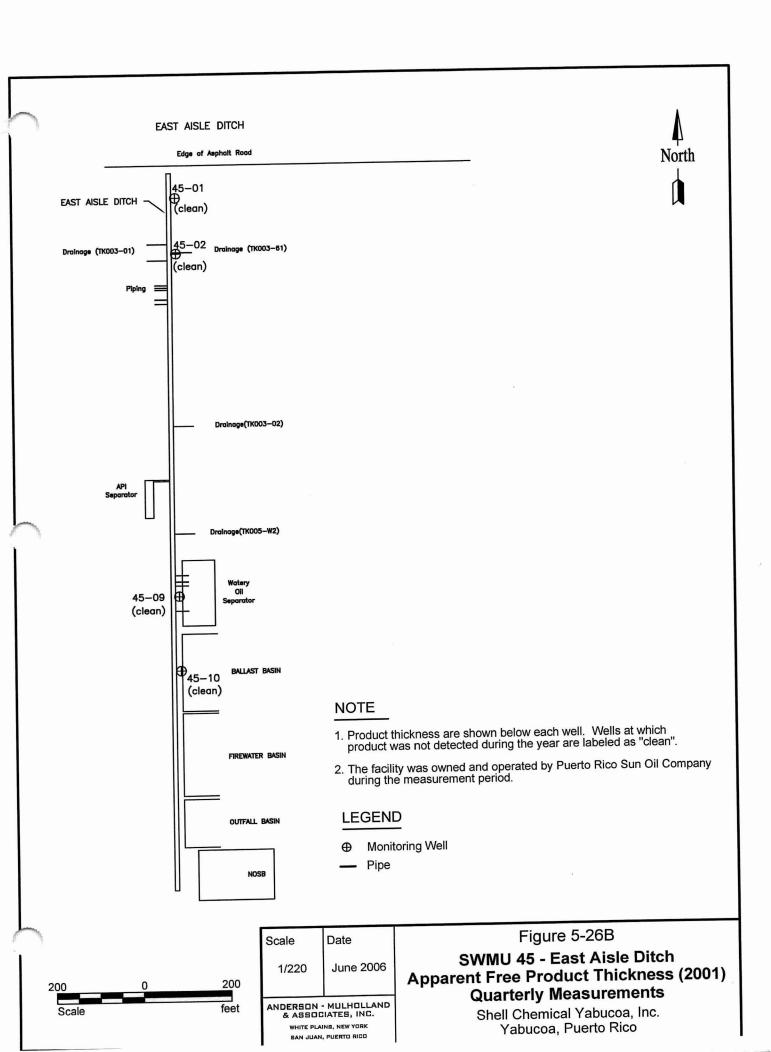
Scale	Date
1" = 250'	Feb 2005
ANDERSON - MULHOLLAND & ASSOCIATES, INC.	
WHITE PLAINS, NEW YORK	

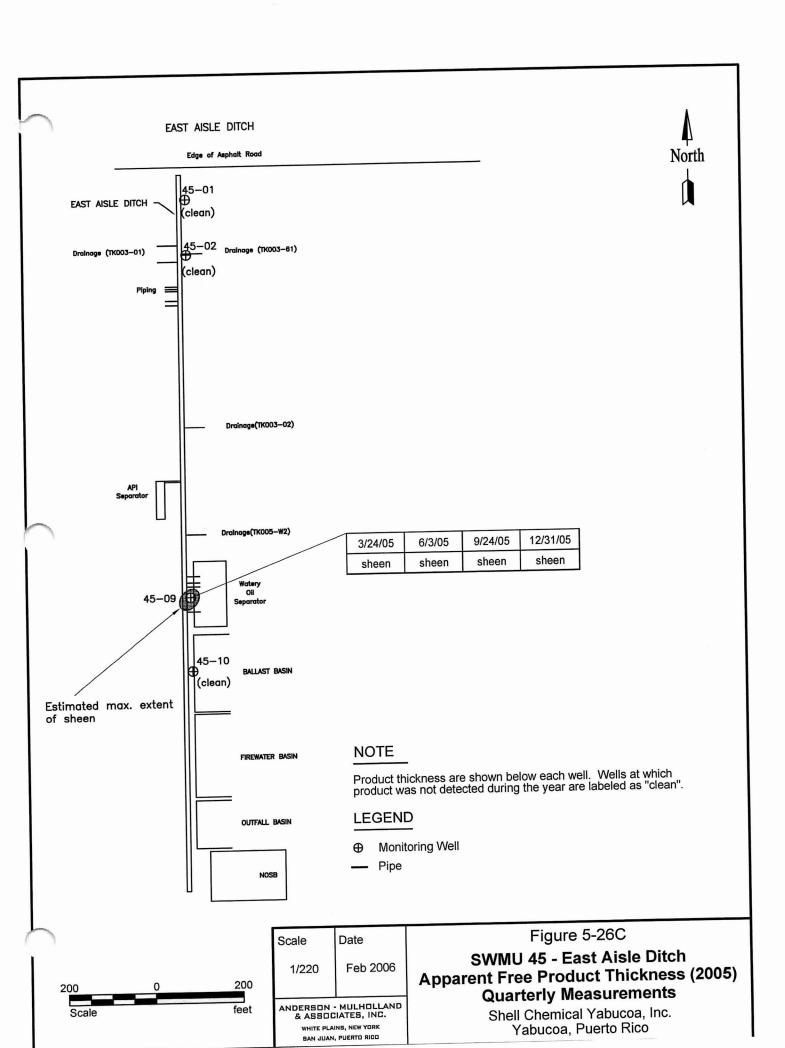
SAN JUAN, PUERTO RICO

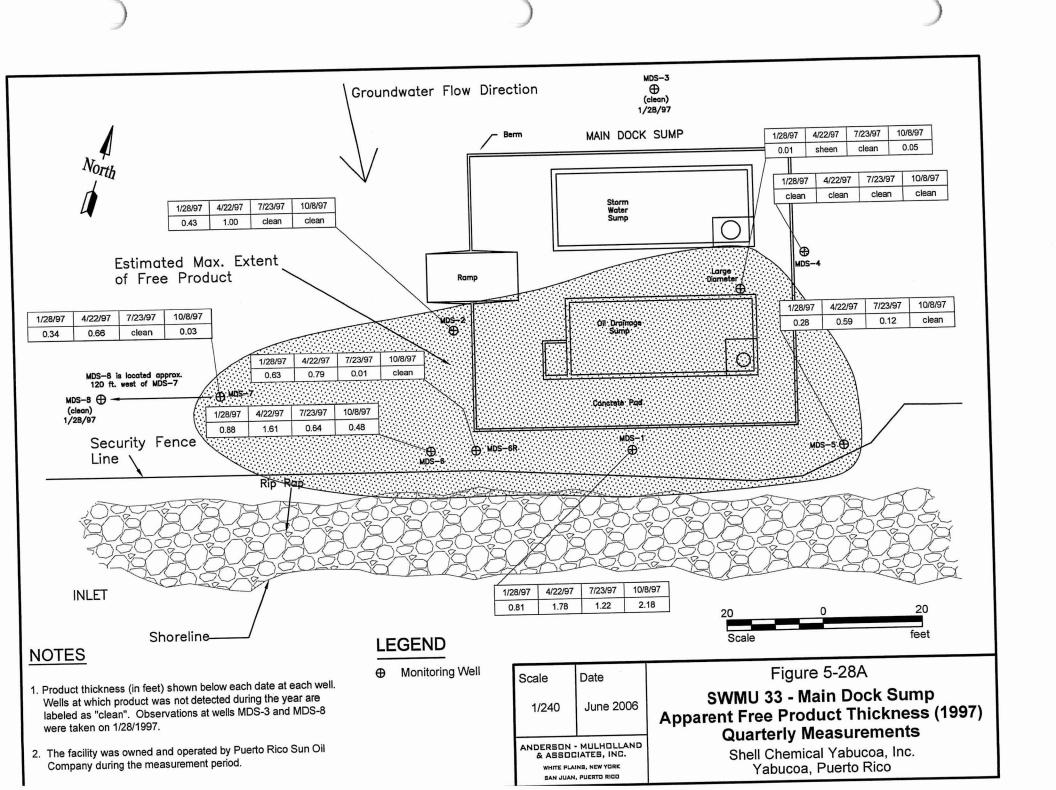
Figure 5-25 **East Aisle Ditch Groundwater Sampling Results**

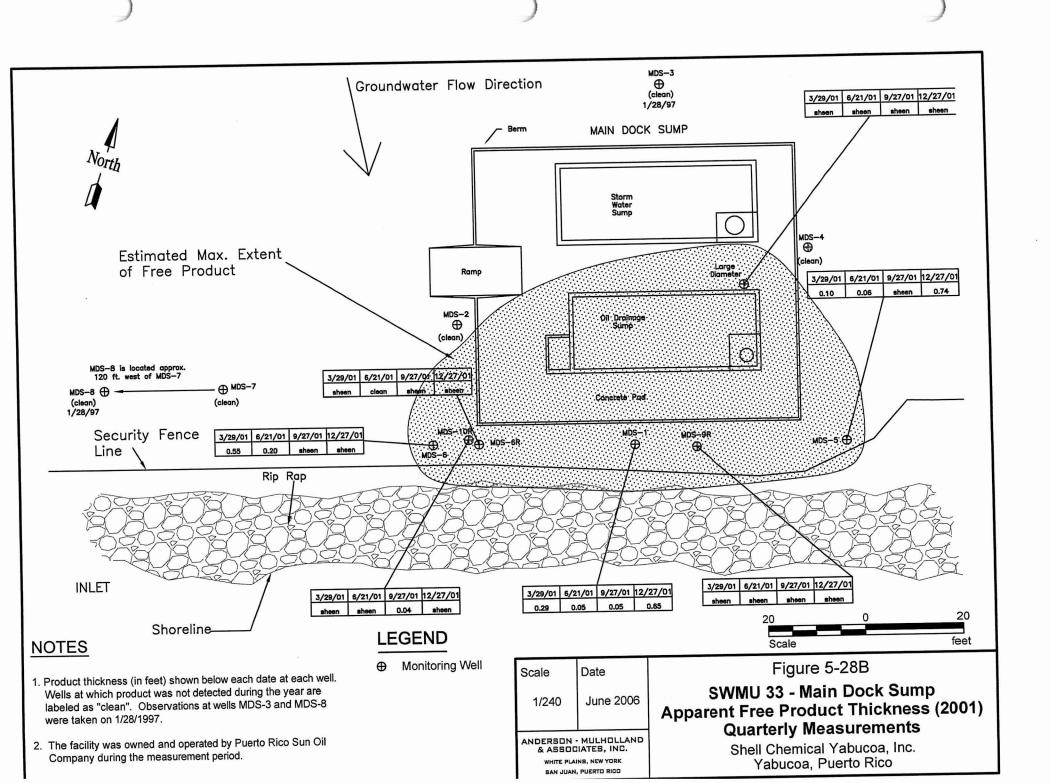
> Shell Chemical Yabucoa, Inc. Yabucoa, Puerto Rico

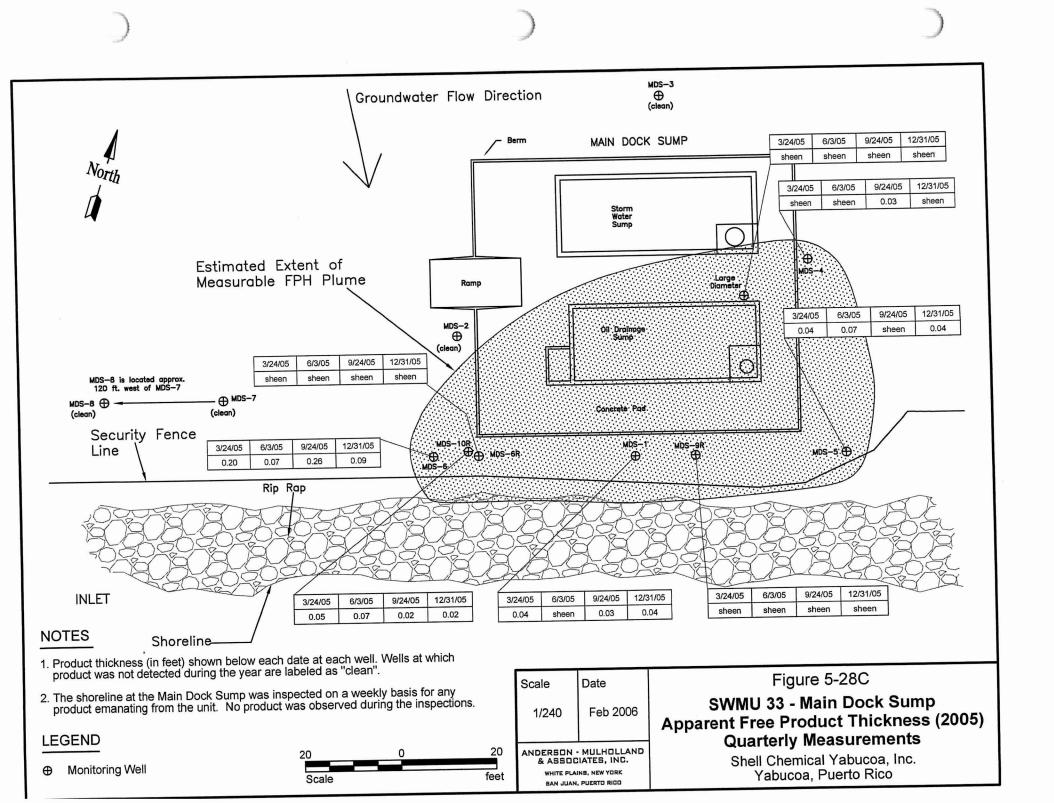


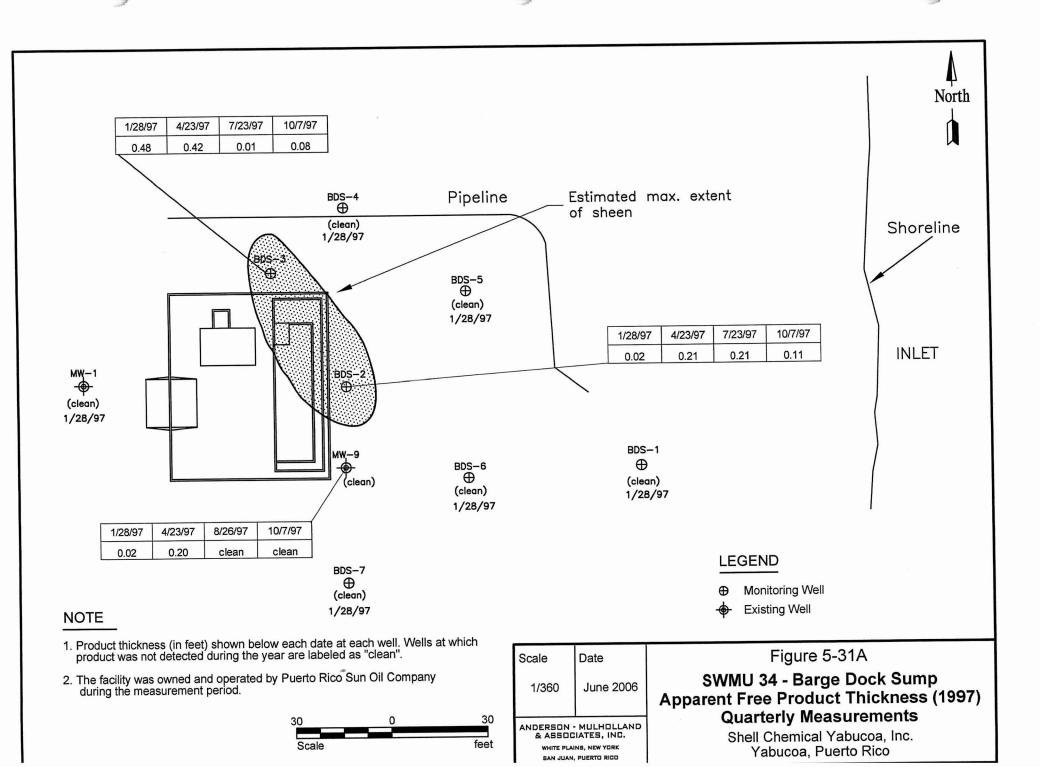


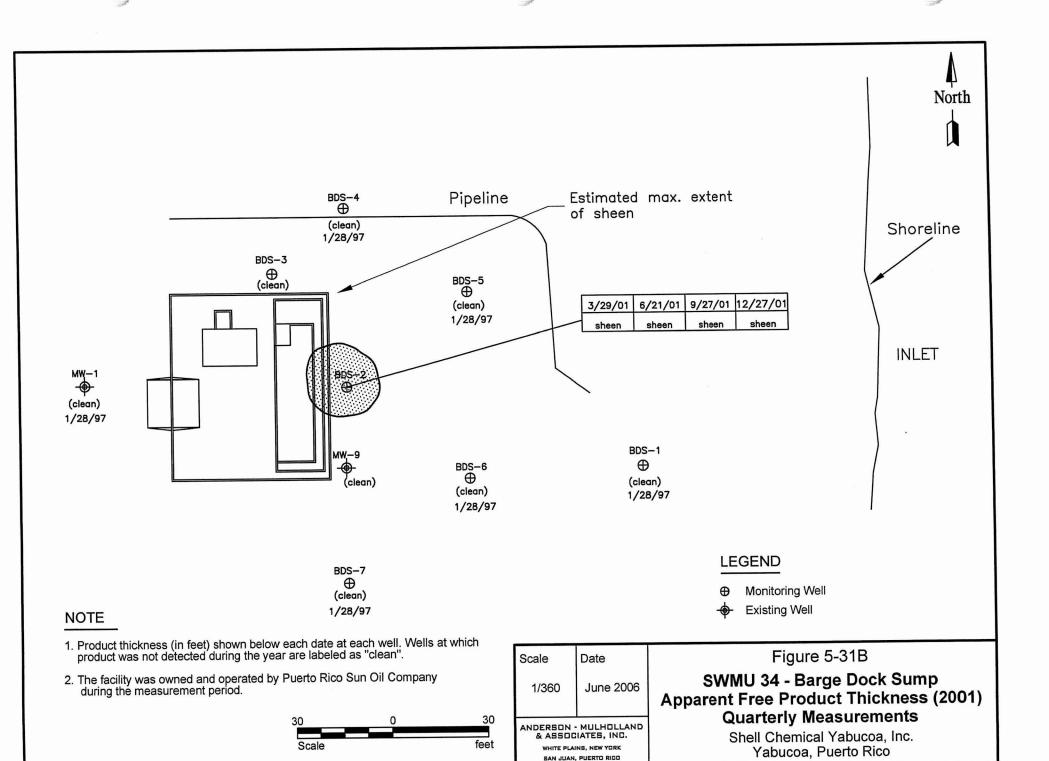


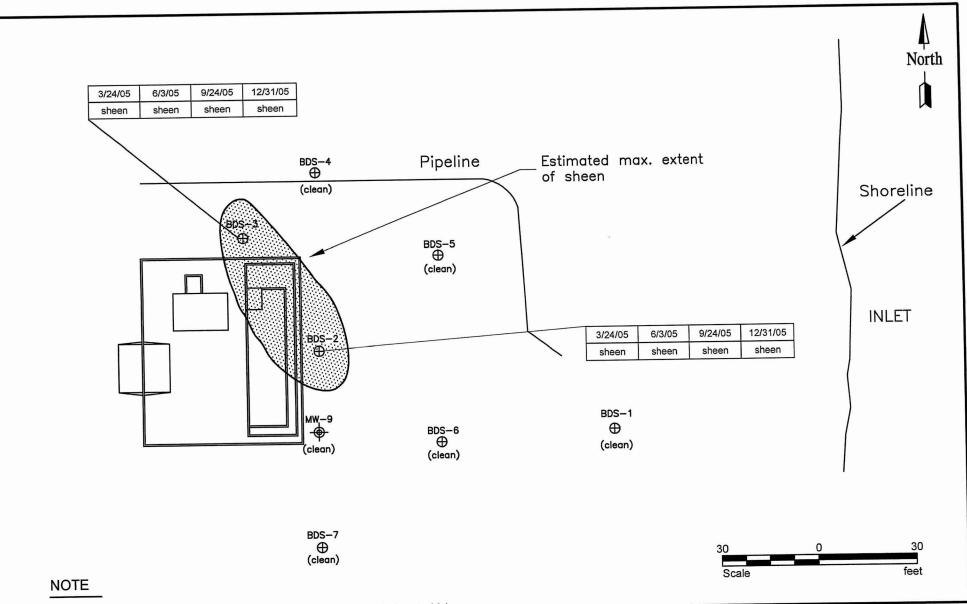












Product thickness (in feet) shown below each date at each well. Wells at which product was not detected during the year are labeled as "clean".

LEGEND

⊕ Monitoring Well

Existing Well

Scale Date 1/360 Feb 2006

ANDERSON - MULHOLLAND & ASSOCIATES, INC. WHITE PLAINS, NEW YORK SAN JUAN, PUERTO RICO

Figure 5-31C

SWMU 34 - Barge Dock Sump Apparent Free Product Thickness (2005) Quarterly Measurements

Shell Chemical Yabucoa, Inc. Yabucoa, Puerto Rico

